

## TECHNICAL DATA

# R410A

**U-36LE1U6**  
**U-36LE1U6E \***  
**U-52LE1U6**  
**U-52LE1U6E \***

## MINI VRF System



### Model No. Outdoor Unit

Class	36	52
Model Name	U-36LE1U6 U-36LE1U6E*	U-52LE1U6 U-52LE1U6E*

Refrigerant R410A is used in the outdoor units.

\* Salt-Air Damage Resistant Specifications.

### Indoor Units

	Class	7	9	12	15	18	19	24	36	48	54
U1	4-Way Cassette			S-12MU1U6		S-18MU1U6		S-24MU1U6	S-36MU1U6		
Y1	4-Way Cassette 60×60			S-12MY1U6		S-18MY1U6					
D1	1-Way Cassette	S-07MD1U6	S-09MD1U6	S-12MD1U6							
F1	Low Silhouette Ducted	S-07MF1U6	S-09MF1U6	S-12MF1U6	S-15MF1U6	S-18MF1U6		S-24MF1U6	S-36MF1U6	S-48MF1U6	S-54MF1U6
M1	Slim Low Static Ducted	S-07MM1U6	S-09MM1U6	S-12MM1U6	S-15MM1U6	S-18MM1U6					
E1	High Static Pressure Ducted								S-36ME1U6	S-48ME1U6	
T1	Ceiling			S-12MT1U6		S-18MT1U6		S-24MT1U6			
K1	Wall Mounted	S-07MK1U6	S-09MK1U6	S-12MK1U6		S-18MK1U6	S-19MS1U6**	S-24MK1U6			
P1	Floor Standing	S-07MP1U6	S-09MP1U6	S-12MP1U6	S-15MP1U6	S-18MP1U6		S-24MP1U6			
R1	Concealed Floor Standing	S-07MR1U6	S-09MR1U6	S-12MR1U6	S-15MR1U6	S-18MR1U6		S-24MR1U6			

\*\* Necessary to install the External Electronic Expansion Valve Kit (Optional:CZ-P56SVK1U)

## IMPORTANT!

### Please Read Before Starting

This air conditioning system meets strict safety and operating standards. As the installer or service person, it is an important part of your job to install or service the system so it operates safely and efficiently.

#### For safe installation and trouble-free operation, you must:

- Carefully read this instruction booklet before beginning.
- Follow each installation or repair step exactly as shown.
- Observe all local, state, and national electrical codes.
- Pay close attention to all warning and caution notices given in this manual.



**WARNING**

This symbol refers to a hazard or unsafe practice which can result in severe personal injury or death.



**CAUTION**

This symbol refers to a hazard or unsafe practice which can result in personal injury or product or property damage.

#### If Necessary, Get Help

These instructions are all you need for most installation sites and maintenance conditions. If you require help for a special problem, contact our sales/service outlet or your certified dealer for additional instructions.

#### In Case of Improper Installation


The manufacturer shall in no way be responsible for improper installation or maintenance service, including failure to follow the instructions in this document.

### SPECIAL PRECAUTIONS

#### **WARNING** When Wiring



**ELECTRICAL SHOCK CAN CAUSE SEVERE PERSONAL INJURY OR DEATH. ONLY A QUALIFIED, EXPERIENCED ELECTRICIAN SHOULD ATTEMPT TO WIRE THIS SYSTEM.**

- Do not supply power to the unit until all wiring and tubing are completed or reconnected and checked.
- Highly dangerous electrical voltages are used in this system. Carefully refer to the wiring diagram and these instructions when wiring. Improper connections and inadequate grounding can cause **accidental injury or death**.
- **Ground the unit** following local electrical codes.
- Connect all wiring tightly. Loose wiring may cause overheating at connection points and a possible fire hazard.
- To prevent possible hazards from insulation failure, the unit must be grounded. 

#### When Transporting

Be careful when picking up and moving the indoor and outdoor units. Get a partner to help, and bend your knees when lifting to reduce strain on your back. Sharp edges or thin aluminum fins on the air conditioner can cut your fingers.

#### When Installing...

Select an installation location which is rigid and strong enough to support or hold the unit, and select a location for easy maintenance.

##### ...In a Room

Properly insulate any tubing run inside a room to prevent "sweating" that can cause dripping and water damage to walls and floors.



**CAUTION**

Keep the fire alarm and the air outlet at least 5 feet away from the unit.

##### ...In Moist or Uneven Locations

Use a raised concrete pad or concrete blocks to provide a solid, level foundation for the outdoor unit. This prevents water damage and abnormal vibration.

##### ...In an Area with High Winds

Securely anchor the outdoor unit down with bolts and a metal frame. Provide a suitable air baffle.

##### ...In a Snowy Area (for Heat Pump-type Systems)

Install the outdoor unit on a raised platform that is higher than drifting snow. Provide snow vents.

#### When Connecting Refrigerant Tubing


- Ventilate the room well, in the event that is refrigerant gas leaks during the installation. Be careful not to allow contact of the refrigerant gas with a flame as this will cause the generation of poisonous gas.
- Keep all tubing runs as short as possible.
- Use the flare method for connecting tubing.
- Apply refrigerant lubricant to the matching surfaces of the flare and union tubes before connecting them, then tighten the nut with a torque wrench for a leak-free connection.
- Check carefully for leaks before starting the test run.
  - When performing piping work do not mix air except for specified refrigerant (R410A) in refrigeration cycle. It causes capacity down, and risk of explosion and injury due to high tension inside the refrigerant cycle.
  - Refrigerant gas leakage may cause fire.
  - Do not add or replace refrigerant other than specified type. It may cause product damage, burst and injury etc.



**WARNING**

- Do not leak refrigerant while piping work for an installation or re-installation, and while repairing refrigeration parts. Handle liquid refrigerant carefully as it may cause frostbite.

## When Servicing

- Turn the power OFF at the main power box (mains) before opening the unit to check or repair electrical parts and wiring. 
- Keep your fingers and clothing away from any moving parts.
- Clean up the site after you finish, remembering to check that no metal scraps or bits of wiring have been left inside the unit being serviced.




### WARNING

- Do not clean inside the indoor and outdoor units by users. Engage authorized dealer or specialist for cleaning.
- In case of malfunction of this appliance, do not repair by yourself. Contact to the sales dealer or service dealer for a repair.







### CAUTION

- Do not touch the air inlet or the sharp aluminum fins of the outdoor unit. You may get injured. 
- Ventilate any enclosed areas when installing or testing the refrigeration system. Escaped refrigerant gas, on contact with fire or heat, can produce dangerously toxic gas.
- Confirm after installation that no refrigerant gas is leaking. If the gas comes in contact with a burning stove, gas water heater, electric room heater or other heat source, it can cause the generation of poisonous gas.

## Others



### CAUTION

- Do not touch the air inlet or the sharp aluminum fins of the outdoor unit. You may get injured. 
- Do not sit or step on the unit, you may fall down accidentally. 
- Do not stick any object into the FAN CASE. You may be injured and the unit may be damaged.   


## Check of Density Limit

**The room in which the air conditioner is to be installed requires a design that in the event of refrigerant gas leaking out, its density will not exceed a set limit.**

The refrigerant (R410A), which is used in the air conditioner, is safe, without the toxicity or combustibility of ammonia, and is not restricted by laws imposed to protect the ozone layer. However, since it contains more than air, it poses the risk of suffocation if its density should rise excessively. Suffocation from leakage of refrigerant is almost non-existent. With the recent increase in the number of high density buildings, however, the installation of multi air conditioner systems is on the increase because of the need for effective use of floor space, individual control, energy conservation by curtailing heat and carrying power, etc.

Most importantly, the multi air conditioner system is able to replenish a large amount of refrigerant compared to conventional individual air conditioners. If a single unit of the multi air conditioner system is to be installed in a small room, select a suitable model and installation procedure so that if the refrigerant accidentally leaks out, its density does not reach the limit (and in the event of an emergency, measures can be made before injury can occur).

ASHRAE and the International Mechanical Code of the ICC as well as CSA provide guidance and define safeguards related to the use of refrigerants, all of which define a Refrigerant Concentration Level (RCL) of 25 pounds per 1,000 cubic feet for R410A refrigerant.

For additional guidance and precautions related to refrigerant safety, please refer to the following documents:

International Mechanical Code 2009 (IMC-2009)  
(or more recently revised)  
ASHRAE 15  
ASHRAE 34

## Precautions for Installation Using New Refrigerant

### 1. Care regarding tubing

#### 1-1. Process tubing

- Material: Use C1220 phosphorous deoxidized copper specified in JIS H3300 "Copper and Copper Alloy Seamless Pipes and Tubes."
- **Tubing size:** Be sure to use the sizes indicated in the table below.
- Use a tube cutter when cutting the tubing, and be sure to remove any flash. This also applies to distribution joints (optional).
- When bending tubing, use a bending radius that is 4 times the outer diameter of the tubing or larger.



**CAUTION**

**Use sufficient care in handling the tubing. Seal the tubing ends with caps or tape to prevent dirt, moisture, or other foreign substances from entering. These substances can result in system malfunction.**

Unit: in. (mm)

Material		Ø				
Copper tube	Outer diameter	1/4 (6.35)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	3/4 (19.05)
	Wall thickness	1/32 (0.8)	1/32 (0.8)	1/32 (0.8)	5/128 (1.0)	5/128 (1.0)

1-2. Prevent impurities including water, dust and oxide from entering the tubing. Impurities can cause R410A refrigerant deterioration and compressor defects. Due to the features of the refrigerant and refrigerating machine oil, the prevention of water and other impurities becomes more important than ever.

### 2. Be sure to recharge the refrigerant only in liquid form.

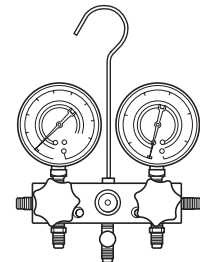
- 2-1. Since R410A is a non-azeotrope, recharging the refrigerant in gas form can lower performance and cause defects of the unit.
- 2-2. Since refrigerant composition changes and performance decreases when gas leaks, collect the remaining refrigerant and recharge the required total amount of new refrigerant after fixing the leak.

### 3. Different tools required

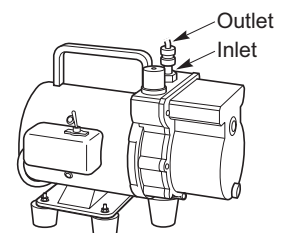
3-1. Tool specifications have been changed due to the characteristics of R410A.  
Some tools for R22- and R407C-type refrigerant systems cannot be used.

Item	New tool?	R407C tools compatible with R410A?	Remarks
Manifold gauge	Yes	No	Types of refrigerant, refrigerating machine oil, and pressure gauge are different.
Charge hose	Yes	No	To resist higher pressure, material must be changed.
Vacuum pump	Yes	Yes	Use a conventional vacuum pump if it is equipped with a check valve. If it has no check valve, purchase and attach a vacuum pump adapter.
Leak detector	Yes	No	Leak detectors for CFC and HCFC that react to chlorine do not function because R410A contains no chlorine. Leak detector for HFC134a can be used for R410A.
Flaring oil	Yes	No	For systems that use R22, apply mineral oil (Suniso oil) to the flare nuts on the tubing to prevent refrigerant leakage. For machines that use R407C or R410A, apply synthetic oil (ether oil) to the flare nuts.

**Manifold gauge**



**Vacuum pump**

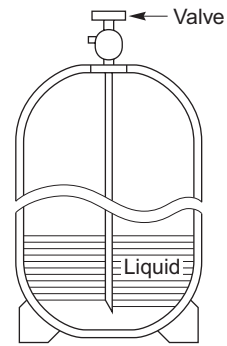


\* Using tools for R22 and R407C and new tools for R410A together can cause defects.



3-2.Use R410A exclusive cylinder only.

**Single-outlet valve**  
(with siphon tube)  
Liquid refrigerant should be recharged with the cylinder standing on end as shown.



**New refrigerant R410A cannot be used for earlier models**

**1.Compressor specifications are different.**

If recharging a R22 or R407C compressor with R410A, durability will significantly decrease since some of the materials used for compressor parts are different.

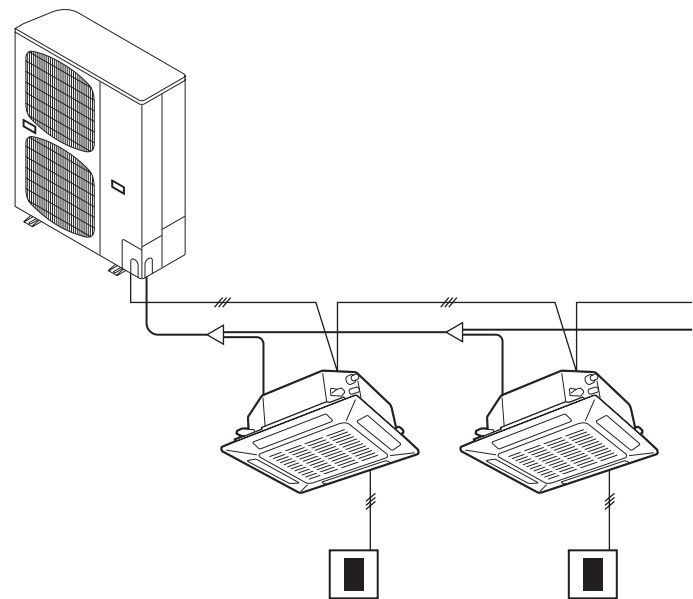
**2.Existing tubing cannot be used (especially R22).**

Completely cleaning out residual refrigerating machine oil is impossible, even by flushing.

**3.Refrigerating machine oil differs (R22).**

Since R22 refrigerating machine oil is mineral oil, it does not dissolve in R410A. Therefore, refrigerating machine oil discharged from the compressor can cause compressor damage.

R22 refrigerating machine oil	Mineral oil (Suniso oil)
R407C refrigerating machine oil	Synthetic fluid (ether oil)
R410A refrigerating machine oil	Synthetic fluid (ether oil)



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




















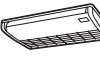


















1. OUTLINE OF MINI VRF SYSTEM

1. Line-up ..... 1-2

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# 1. Line-up

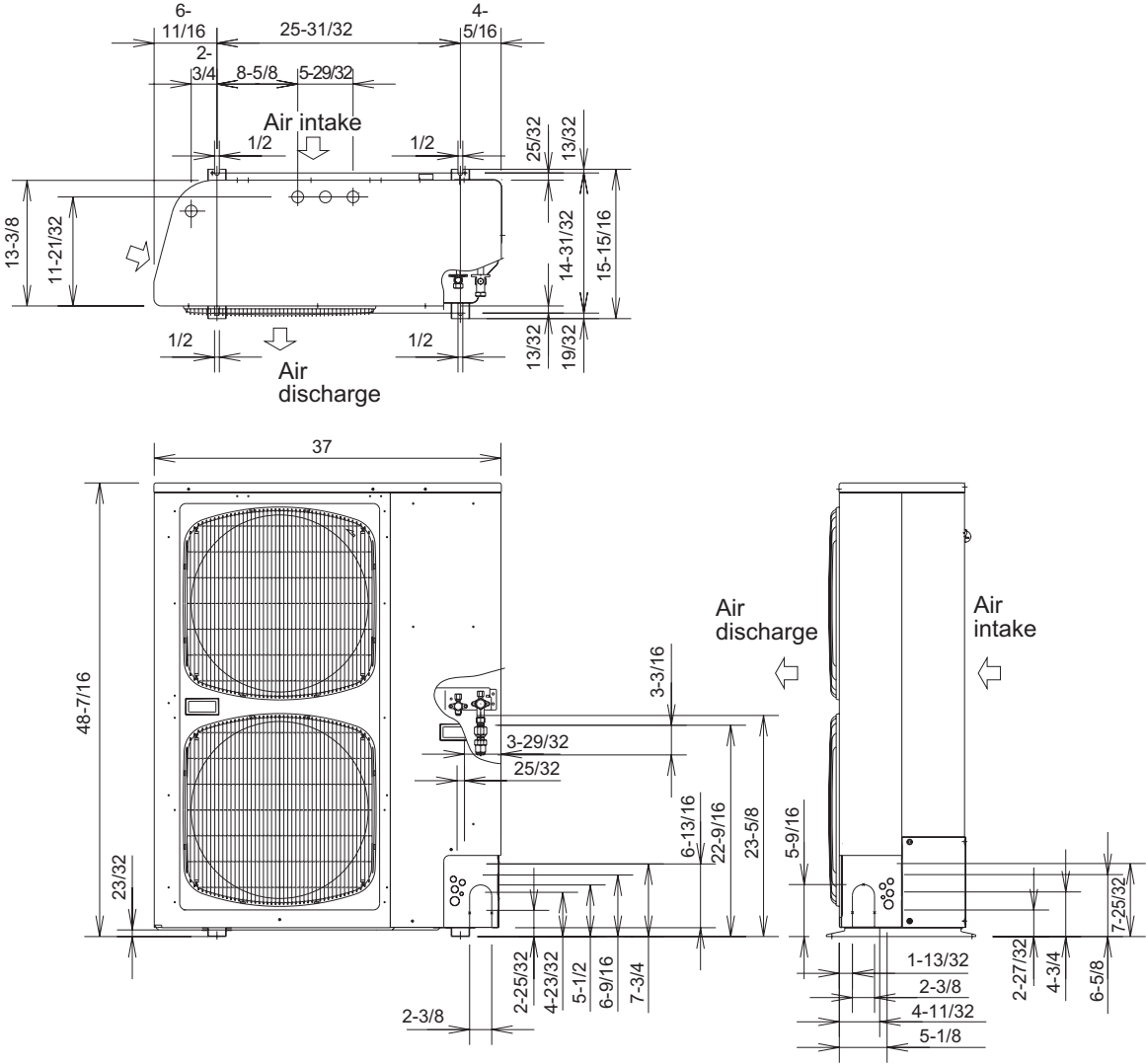
## Indoor units

Type	7	9	12	15	18	19	24	36	48	54
4-Way Cassette (U1 Type)			 S-12MU1U6		 S-18MU1U6		 S-24MU1U6	 S-36MU1U6		
4-Way Cassette 60 X 60 (Y1 Type)			 S-12MY1U6		 S-18MY1U6					
1-Way Cassette (D1 Type)	 S-07MD1U6	 S-09MD1U6	 S-12MD1U6							
Low Silhouette Ducted (F1 Type)	 S-07MF1U6	 S-09MF1U6	 S-12MF1U6	 S-15MF1U6	 S-18MF1U6		 S-24MF1U6	 S-36MF1U6	 S-48MF1U6	 S-54MF1U6
Slim Low Static Ducted (M1 Type)	 S-07MM1U6	 S-09MM1U6	 S-12MM1U6	 S-15MM1U6	 S-18MM1U6					
High Static Pressure Ducted (E1 Type)								 S-36ME1U6	 S-48ME1U6	
Ceiling (T1 Type)			 S-12MT1U6		 S-18MT1U6		 S-24MT1U6			
Wall Mounted (K1 Type)	 S-07MK1U6	 S-09MK1U6	 S-12MK1U6		 S-18MK1U6	 S-19MS1U6*	 S-24MK1U6			
Floor Standing (P1 Type)	 S-07MP1U6	 S-09MP1U6	 S-12MP1U6	 S-15MP1U6	 S-18MP1U6		 S-24MP1U6			
Concealed Floor Standing (R1 Type)	 S-07MR1U6	 S-09MR1U6	 S-12MR1U6	 S-15MR1U6	 S-18MR1U6		 S-24MR1U6			

\* Necessary to install the External Electronic Expansion Valve Kit (Optional:CZ-P56SVK1U).

# 1. Line-up

## Indoor units

Type	DC inverter unit	
	36	52
Capacity: BTU/h (kW)	38,200 (11.2)	52,900 (15.5)
Cooling / Heating	/ 42,700 (12.5)	/ 60,000 (17.6)
Outdoor Unit	U-36LE1U6/U-52LE1U6 U-36LE1U6E*/U-52LE1U6E*	
	 <p>The technical drawings show the indoor unit (top) and outdoor unit (bottom) with their respective dimensions. The indoor unit is a rectangular unit with an air intake at the top and an air discharge at the bottom. The outdoor unit is a larger rectangular unit with two circular fans on the front and an air intake on the right side. The dimensions are given in inches and fractions of an inch.</p>	

\* Outdoor unit model name ended with letters "U6E". Refer to the Section 1 "2. Salt-Air Damage Resistant Specifications".



## 2. Salt-Air Damage Resistant Specifications

### Specifications

Relevant Parts		Material	Standard Specifications	Salt-Air Damage Resistant Specifications
				Outdoor unit model name ended with letters "U6E".
Outer box/side plate/ drain pan between the stud		Hot-dip zinc-coated steel sheet	Polyester powder double coating (both sides) ( $\geq 40 \mu\text{m}$ )	Polyester powder double coating (both sides) ( $\geq 120 \mu\text{m}$ )
Base frame		Hot-dip aluminum-zinc coated steel sheet	No treatment	Polyester powder double coating (both sides) ( $\geq 120 \mu\text{m}$ )
Fan guard		Resin (Polypropylene)	No treatment	No treatment
Heat Exchanger	Fin	Aluminum	No treatment	Zinc rich treatment
	Tube	Copper	No treatment	Zinc rich treatment (whole)
	Tube plate	Hot-dip zinc-coated steel sheet	No treatment	Zinc rich treatment (whole)
Fan	Propeller fan	Resin	No treatment	No treatment
		Aluminum	No treatment	Urethane coating ( $\geq 30 \mu\text{m}$ )
		Hot-dip zinc-coated steel sheet	No treatment	Urethane coating ( $\geq 30 \mu\text{m}$ )
	Motor	--	Motor maker's standard spec.	Motor maker's spec. for salt-air damage resistant (urethane coating)
	Installation frame	Hot-dip zinc-coated steel sheet	Polyester powder double coating (both sides) ( $\geq 120 \mu\text{m}$ )	Polyester powder double coating (both sides) ( $\geq 120 \mu\text{m}$ )
Electrical component box		Hot-dip zinc-coated steel sheet	No treatment	Polyester powder coating ( $\geq 120 \mu\text{m}$ )
Tapping screws		SUS410	Hexavalent chromium-free coating	Hexavalent chromium-free coating + urethane coating
Stud supplementary bracket		Hot-dip zinc-coated steel sheet	No treatment	Polyester powder double coating ( $\geq 120 \mu\text{m}$ )
PC board		--	No treatment	Dessicant coating ( $\geq 30 \mu\text{m}$ )
Accumulator Receiver tank		Steel	Epoxy coating + alkyd coating	Zinc rich double coating + urethane coating ( $\geq 70 \mu\text{m}$ )
Refrigeration cycle tube	Welded portion	Copper tube	No treatment	Urethane coating
	Outer surface	Copper tube	No treatment	Urethane coating
Fixing bracket		Hot-dip zinc-coated steel sheet	No treatment	Polyester powder double coating (both sides) ( $\geq 80 \mu\text{m}$ )

Notes: 1 Consult us before introducing a salt-air damage resistant model as it requires a special treatment.

2 The specifications are subject to change without notice for development.

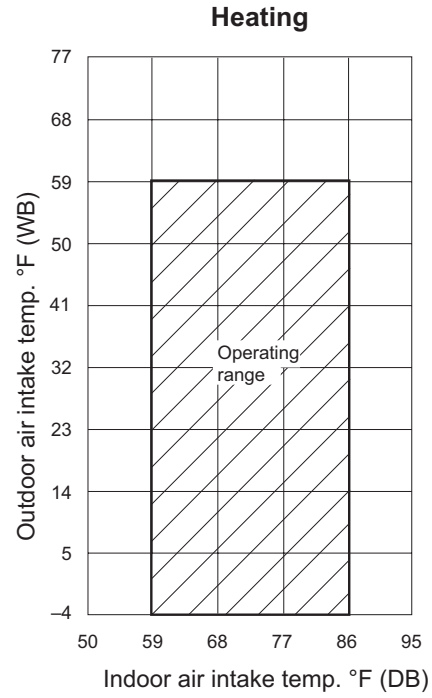
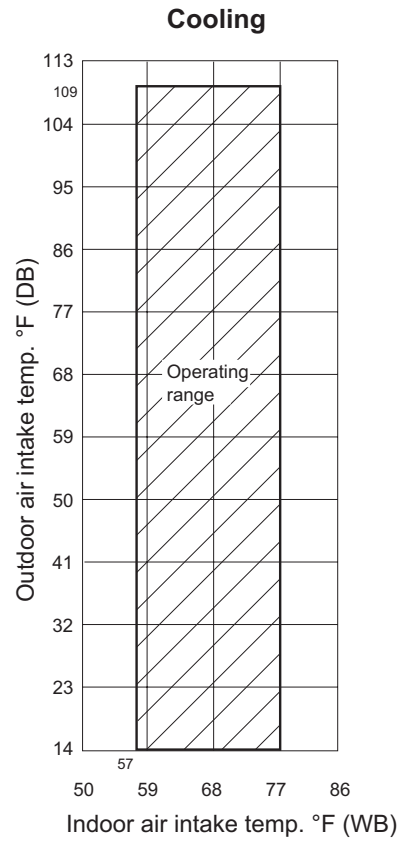
3 Contact us for the delivery schedule.

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# 1. Model Selecting and Capacity Calculator

## 1-1. Operating Range

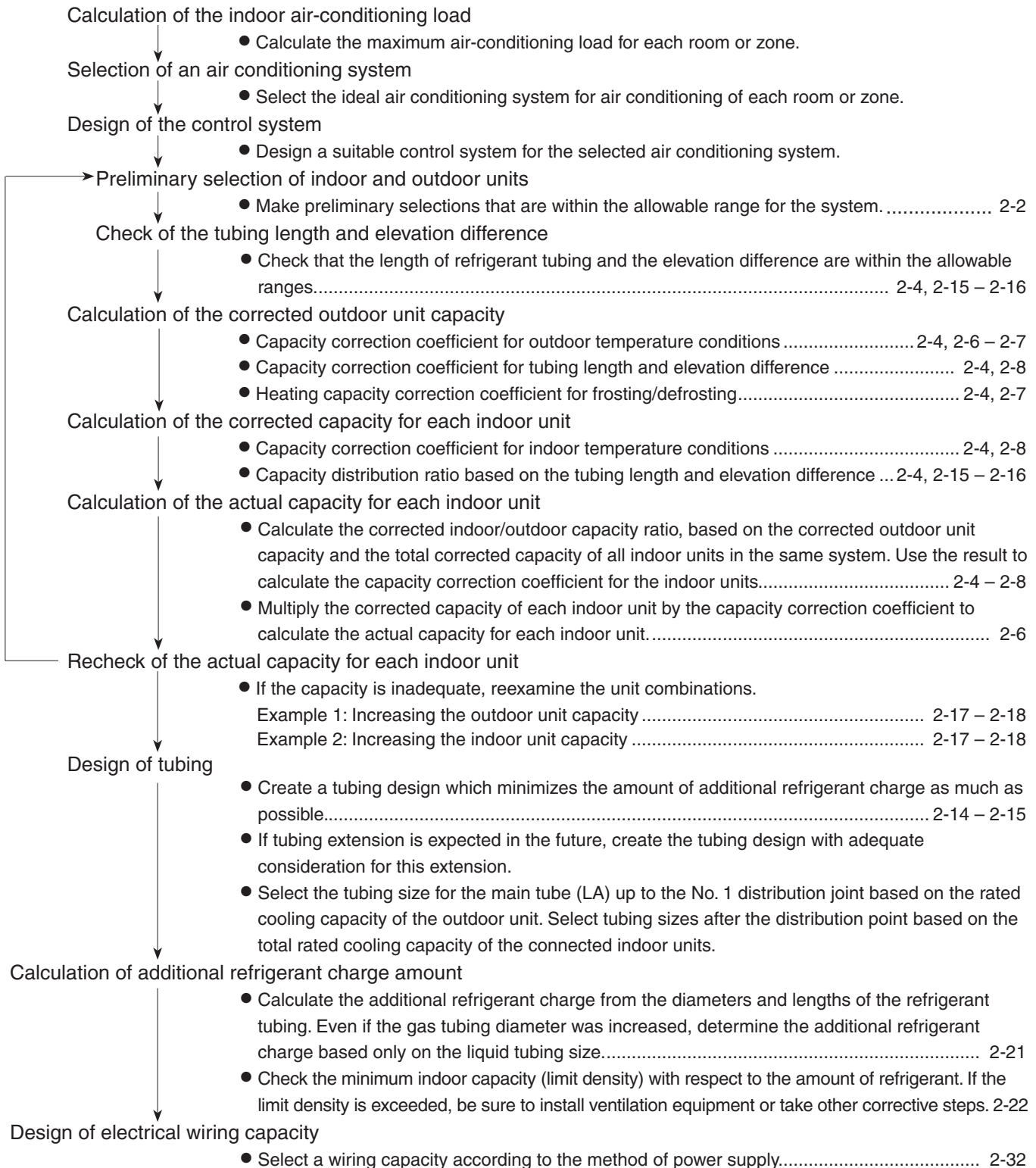


# 1. Model Selecting and Capacity Calculator

## 1-2. Procedure for Selecting Models and Calculating Capacity

### ■ Model Selection Procedure

Select the model and calculate the capacity for each refrigerant system according to the procedure shown below.



# 1. Model Selecting and Capacity Calculator

## 1-3. Calculation of Actual Capacity of Indoor Unit

### ■ Calculating the actual capacity of each indoor unit

Because the capacity of a multi air-conditioner changes according to the temperature conditions, tubing length, elevation difference and other factors, select the correct model after taking into account the various correction values. When selecting the model, calculate the corrected capacities of the outdoor unit and each indoor unit. Use the corrected outdoor unit capacity and the total corrected capacity of all the indoor units to calculate the actual final capacity of each indoor unit.

#### 1. Outdoor unit capacity correction coefficient

Find the outdoor unit capacity correction coefficient for the following items.

##### (1) Capacity correction for the outdoor unit temperature conditions

From the graph of capacity characteristics on page 2-6, use the outdoor temperature to find the capacity correction coefficient.

##### (2) Capacity correction for the outdoor unit tubing length and elevation difference

From the graph of capacity change characteristics on page 2-7, use the tubing length and elevation difference to find the capacity correction coefficient.

The outdoor unit correction coefficient is the value which corresponds to the most demanding indoor unit.

##### (3) Capacity correction for outdoor unit frosting/defrosting during heating

From the table on page 2-7, find the capacity correction coefficient.

#### 2. Indoor unit capacity correction coefficients

Find the indoor unit capacity correction coefficient for the following items.

##### (1) Capacity correction for the indoor unit temperature conditions

From the graph of capacity characteristics on page 2-8, use the indoor temperature to find the capacity correction coefficient.

##### (2) Capacity distribution ratio based on the indoor unit tubing length and elevation difference

First, in the same way as for the outdoor unit, use the tubing length and elevation difference for each indoor unit to find the correction coefficient from the graph of capacity change characteristics on page 2-8. Then divide the result by the outdoor unit correction coefficient to find the capacity distribution ratio for each indoor unit.

Capacity distribution ratio for each indoor unit (2) = Correction coefficient for that indoor unit / Correction coefficient for the outdoor unit

#### 3. Calculating the corrected capacities for the outdoor unit and each indoor unit

The corrected capacities for the outdoor unit and each indoor unit are calculated from the formula below.

##### <Cooling>

- Outdoor unit corrected cooling capacity (5) = Outdoor unit rated cooling capacity × Correction coefficient for outdoor temperature conditions ((1) Page 2-6) × Correction coefficient for tubing length and elevation difference ((2) Page 2-8)
  - \* However, if the outdoor unit corrected cooling capacity [5] is greater than 100%, then the outdoor unit corrected cooling capacity [5] is considered to be 100%.
- Corrected cooling capacity of each indoor unit (5) = Rated cooling capacity for that indoor unit × Correction coefficient for indoor temperature conditions at that indoor unit ((1) Page 2-7) × Distribution ratio based on tubing length and elevation difference at that indoor unit ((2) Page 2-8)

However, the corrected cooling capacity of each indoor unit is found as shown below.

If (1) < 100% and (1) × (2) > 100%: Corrected cooling capacity for that indoor unit [5] = Rated cooling capacity for that indoor unit

If (1) ≥ 100%: Corrected cooling capacity for that indoor unit (5) = Rated cooling capacity for that indoor unit × (1)



# 1. Model Selecting and Capacity Calculator

## <Heating>

- Outdoor unit corrected heating capacity (5) = Outdoor unit rated heating capacity × Correction coefficient for outdoor temperature conditions ((1) Page 2-6) × Correction coefficient for tubing length and elevation difference ((2) Page 2-8) × Correction coefficient for frosting/defrosting ((2) Page 2-7)

\* However, if the outdoor unit corrected heating capacity [5] is greater than 100%, then the outdoor unit corrected heating capacity is considered to be 100%.

- Corrected heating capacity of each indoor unit (5) = Rated heating capacity for that indoor unit × Correction coefficient for indoor temperature conditions at that indoor unit ((1) Page 2-6) × Distribution ratio based on tubing length and elevation difference at that indoor unit ((2) Page 2-8).

However, the corrected heating capacity of each indoor unit is found as shown below.

If (1) < 100% and (1) × (2) > 100%: Corrected heating capacity for that indoor unit (5) = Rated heating capacity for that indoor unit

If (1) ≥ 100%: Corrected heating capacity for that indoor unit (5) = Rated heating capacity for that indoor unit × (1)

\* Characteristic graphs are shown on the pages listed above next to each correction item.

Find each correction coefficient from the appropriate conditions.

## 4. Calculating the actual indoor unit capacity based on the indoor/outdoor corrected capacity ratio

Calculate the actual capacity of each indoor unit from the values (found in (3)) for the corrected outdoor unit capacity and the corrected capacity of each indoor unit.

### <Cooling capacity>

Corrected indoor/outdoor capacity ratio during cooling (Ruc) = Total corrected cooling capacity of all indoor units in that system / Corrected outdoor unit cooling capacity

If the corrected outdoor unit cooling capacity is greater than or equal to the total corrected unit cooling capacity of all indoor units in that system ( $Ruc \leq 1$ ), then:

Actual cooling capacity of each indoor unit (7) = Corrected cooling capacity of each indoor unit (5)

(In other words, the correction coefficient (6), based on the corrected indoor/outdoor capacity ratios for each indoor unit, is 1.)

If the corrected outdoor unit cooling capacity is less than the total corrected unit cooling capacity of all indoor units in that system ( $Ruc > 1$ ), then:

(Actual cooling capacity of each indoor unit (7)) = (Corrected cooling capacity of each indoor unit (5)) ×  $(0.25 \times Ruc + 0.75)$  / Ruc

(In other words, the correction coefficient (6), based on the corrected indoor/outdoor capacity ratios for each indoor unit, is the underlined part in the formula above.)

### <Heating capacity>

Corrected indoor/outdoor capacity ratio during heating (Ruh) = Total corrected heating capacity of all indoor units in that system / Corrected outdoor unit heating capacity

If the corrected outdoor unit heating capacity is greater than or equal to the total corrected unit heating capacity of all indoor units in that system ( $Ruh \leq 1$ ), then:

Actual heating capacity of each indoor unit (7) = Corrected heating capacity of each indoor unit (5)

(In other words, the correction coefficient (6), based on the corrected indoor/outdoor capacity ratios for each indoor unit, is 1.)

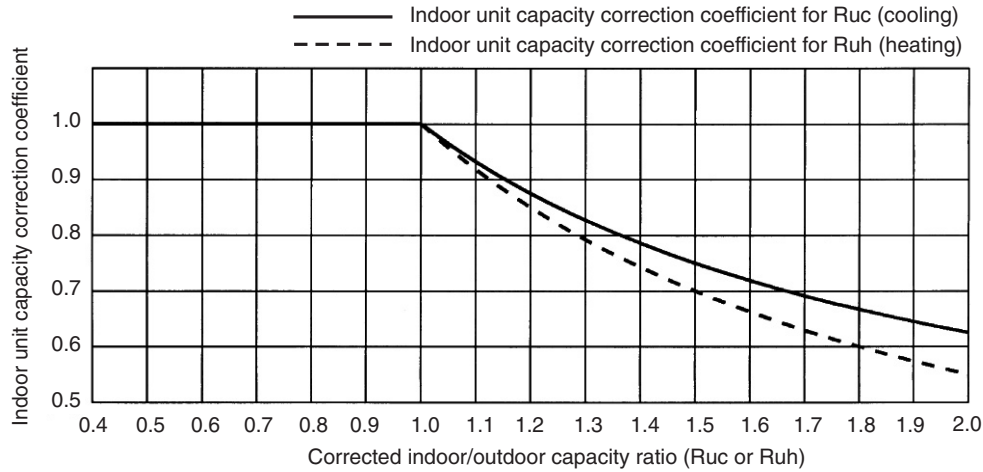
If the corrected outdoor unit heating capacity is less than the total corrected unit heating capacity of all indoor units in that system ( $Ruh > 1$ ), then:

(Actual heating capacity of each indoor unit (7)) = (Corrected heating capacity of each indoor unit (5)) ×  $(0.1 \times Ruh + 0.9)$  / Ruh

(In other words, the correction coefficient (6), based on the corrected indoor/outdoor capacity ratios for each indoor unit, is the underlined part in the formula above.)

# 1. Model Selecting and Capacity Calculator

Refer to the graph below for the correction coefficients for Ruc and Ruh.

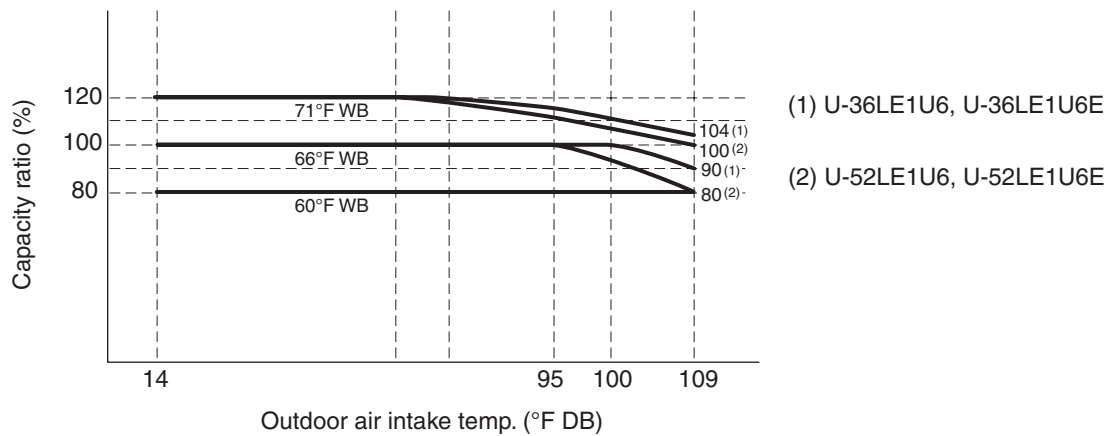


**Note:** When Ruc or Ruh is less than or equal to 1.0, the indoor unit capacity correction coefficient for both Ruc and Ruh is 1.0.

## 5. Graph of capacity correction coefficients

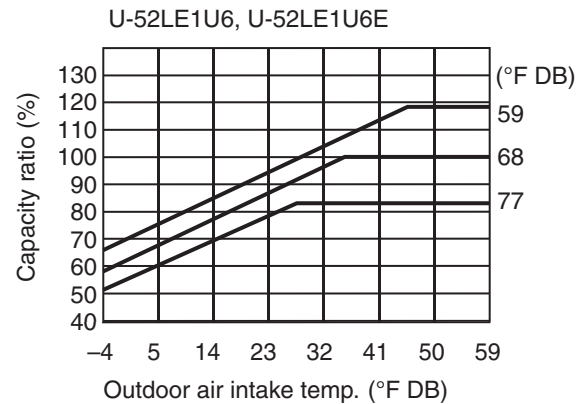
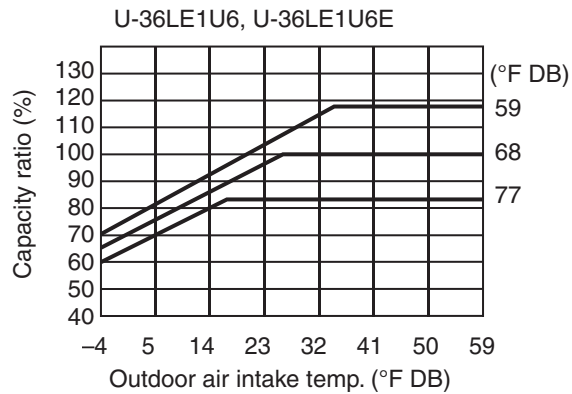
### ■ Graph of outdoor unit capacity characteristics (1 – (1))

#### Outdoor unit cooling capacity characteristics



# 1. Model Selecting and Capacity Calculator

## Outdoor unit heating capacity characteristics



### Outdoor unit heating capacity correction coefficient during frosting/defrosting (1 – (2))

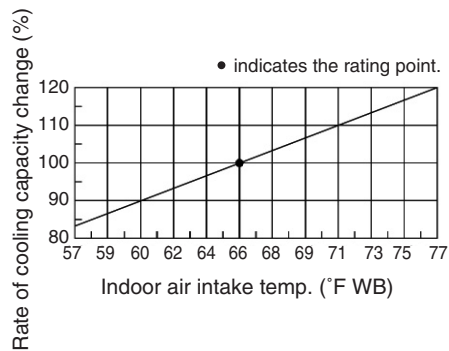
Outdoor intake air temp. (°F WB RH 85%)	-4	5	14	17	21	23	24	28	30	32	33	35	37	39	41	42
Correction coefficient	0.97	0.97	0.97	0.96	0.94	0.91	0.89	0.87	0.87	0.87	0.88	0.89	0.91	0.92	0.95	1.0

\* To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

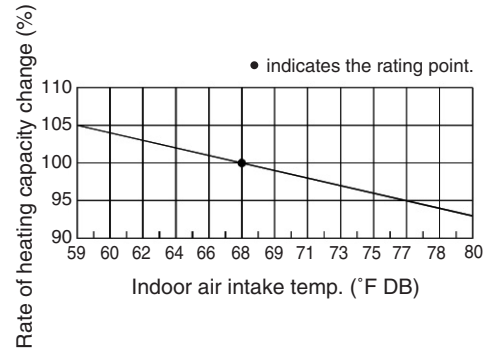
# 1. Model Selecting and Capacity Calculator

## ■ Graph of indoor unit capacity characteristics (2 – (1))

Indoor unit cooling capacity characteristics

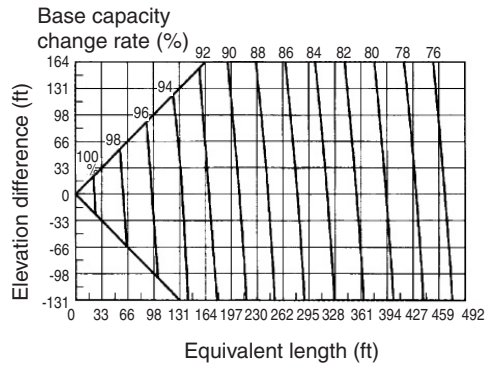


Indoor unit heating capacity characteristics

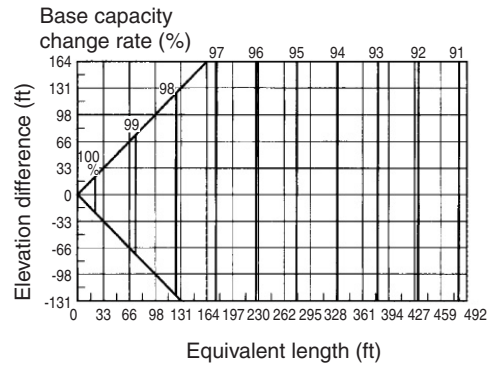


## ■ Graph of capacity change characteristics resulting from tubing length and elevation difference (1 • 2 – (2))

&lt;Cooling&gt;



&lt;Heating&gt;



The positive side for the elevation difference indicates that the outdoor unit is installed at a higher position than the indoor units. The negative side indicates the opposite.

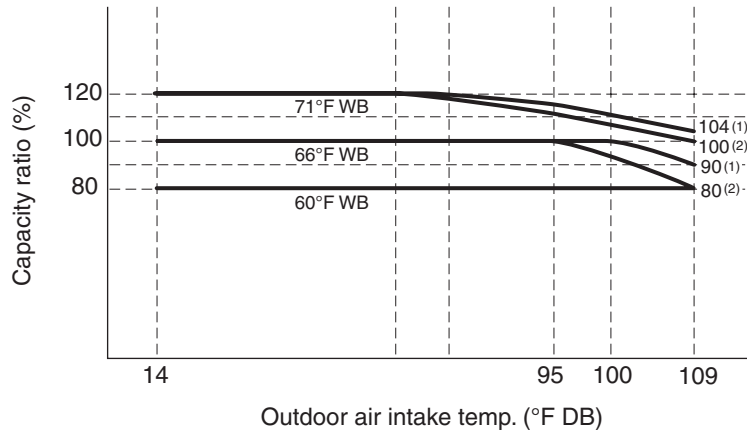
# 1. Model Selecting and Capacity Calculator

## 1-4. Capacity Correction Graph According to Temperature Condition

### ■ Capacity characteristics

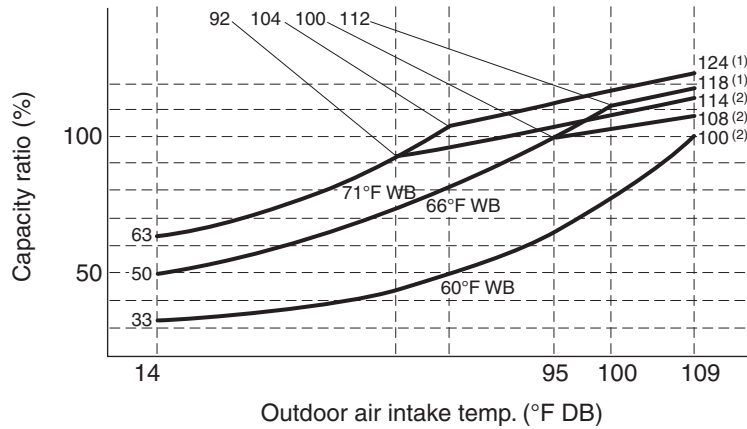
(The corrected capacity for specific temperature conditions can be found from the graphs below and next page.)

#### <COOLING>



(1) U-36LE1U6, U-36LE1U6E

(2) U-52LE1U6, U-52LE1U6E



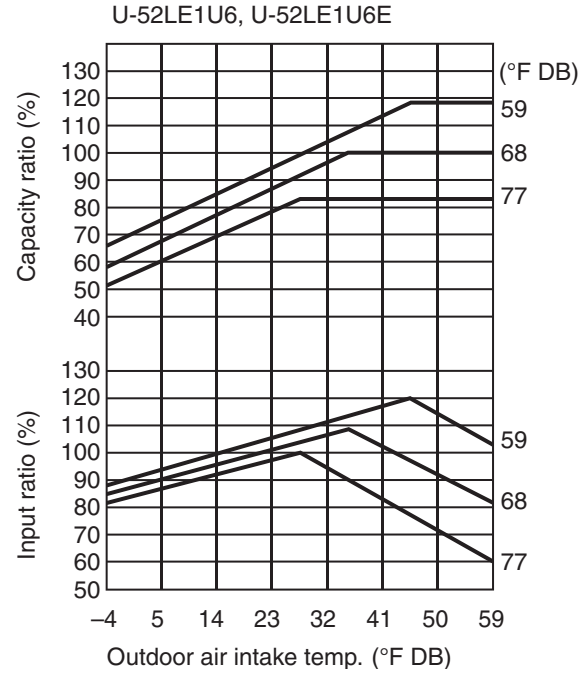
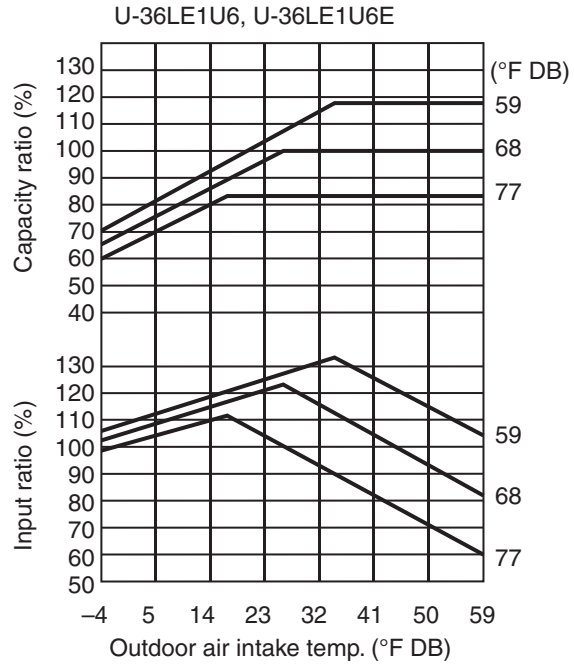
(1) U-36LE1U6, U-36LE1U6E

(2) U-52LE1U6, U-52LE1U6E



# 1. Model Selecting and Capacity Calculator

## <HEATING>



# 1. Model Selecting and Capacity Calculator

## ● Inverter model rated performance values

Model \ Item	Cooling		Heating	
	Cooling capacity BTU/h(kW)	Power consumption BTU/h(kW)	Heating capacity BTU/h(kW)	Power consumption BTU/h(kW)
U-36LE1U6, U-36LE1U6E	38,200 (11.2)	9,400 (2.76)	42,700 (12.5)	9,800 (2.88)
U-52LE1U6, U-52LE1U6E	52,900 (15.5)	16,600 (4.57)	60,000 (17.6)	15,600 (4.58)

## ■ Outdoor unit heating capacity correction coefficient during frosting/defrosting (1 – (3))

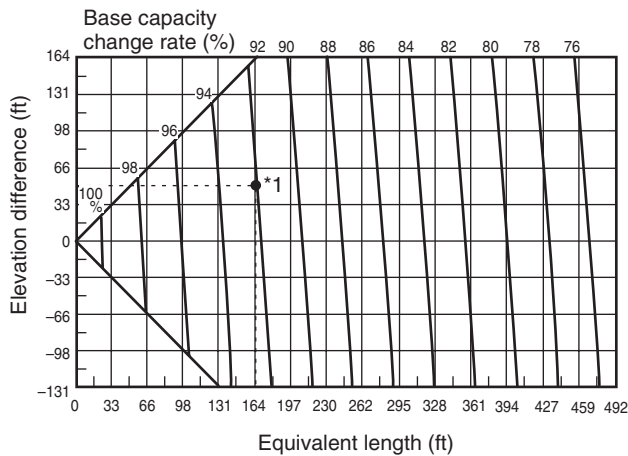
Outdoor intake air temp. (°F WB RH 85%)	-4	5	14	17	21	23	24	28	30	32	33	35	37	39	41	42
Correction coefficient	0.97	0.97	0.97	0.96	0.94	0.91	0.89	0.87	0.87	0.87	0.88	0.89	0.91	0.92	0.95	1.0

\* To calculate the heating capacity with consideration for frosting/defrosting operation, multiply the heating capacity found from the capacity graph by the correction coefficient from the table above.

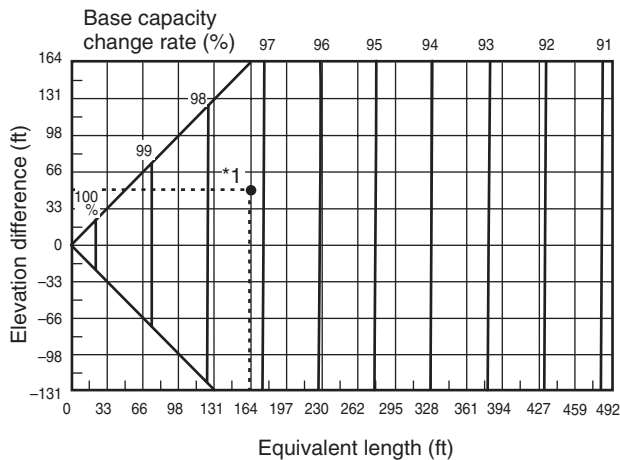
## 1-5. Capacity Correction Graph According to Tubing Length and Elevation Difference

### ■ Capacity change characteristics

#### <Cooling>



#### <Heating>



# 1. Model Selecting and Capacity Calculator

## For U-36LE1U6(E) units

- If the maximum tubing length (L1) exceeds 295 ft. (equivalent length), increase the tubing size of the main gas tube (LM) by one rank.
- \* The size increase is applied to the gas tube only. In addition, for a 6 HP unit it is not necessary to increase the tubing size.
- Increasing the tubing size of the gas tubes can reduce the loss of capacity caused by longer tubing lengths. Refer to Table 2-1 to increase the tubing size. However, the maximum allowable tubing length must not be exceeded.
- \* The size increase is applied to the LM gas tube (main tube with the largest diameter) only, and is limited to the cases shown in Table 2-1. In addition, the amount of additional refrigerant charge is determined from the liquid tube size only.
- \* In case of 6 pieces, increasing the size of the gas tube is not possible.

**Table 2-1** Correction coefficient for equivalent length when the size of the gas tube (LM) is increased

Standard tube diameter (gas tube, in. (mm))	ø5/8" (ø15.88)
Tube diameter after change (gas tube, in. (mm))	ø3/4" (ø19.05)
Equivalent length correction coefficient	0.4

- \* When increasing the size of the gas tubing (LM), multiply by the correction coefficient from Table 2-1 and calculate the equivalent length for section LM.

Tubing equivalent length after size increase = Standard tubing equivalent length × Equivalent length correction coefficient

2



**WARNING**

The upper limit for tubing size is ø3/4" (ø19.05). Tubing above that size cannot be used.

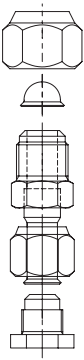

## 2. System Design

### 2-1. Tools Required for Installation (not supplied)

1. Flathead screwdriver
2. Phillips head screwdriver
3. Knife or wire stripper
4. Tape measure
5. Carpenter's level
6. Sabre saw or key hole saw
7. Hack saw
8. Core bits
9. Hammer
10. Drill
11. Tube cutter
12. Tube flaring tool
13. Torque wrench
14. Adjustable wrench
15. Reamer (for deburring)

### 2-2. Accessories Supplied with Outdoor Unit

Table 2-2 (Outdoor Unit)

Part name	Figure	Q'ty	
		U-36LE1U6 U-36LE1U6E (4 hp)	U-52LE1U6 U-52LE1U6E (6 hp)
Tube Discharge Assembly		0	1
Instruction manual	 paper	1	1

hp = horsepower

### 2-3. Type of Copper Tube and Insulation Material

If you wish to purchase these materials separately from a local source, you will need:

1. Deoxidized annealed copper tube for refrigerant tubing.
2. Foamed polyethylene insulation for copper tubes as required to precise length of tubing. Wall thickness of the insulation should be not less than 5/16".
3. Use insulated copper wire for field wiring. Wire size varies with the total length of wiring. Refer to **3. Electrical Wiring** for details.



#### CAUTION

**Check local electrical codes and regulations before obtaining wire. Also, check any specified instructions or limitations.**

### 2-4. Additional Materials Required for Installation

1. Refrigeration (armored) tape
2. Insulated staples or clamps for connecting wire (See your local codes.)
3. Putty
4. Refrigeration tubing lubricant
5. Clamps or saddles to secure refrigerant tubing
6. Scale for weighing

## 2. System Design

### 2-5. Tubing Size

**Table 2-3 Main Tubing Size (LA)**

BTU/h (kW)	38,200 (11.2)	52,900 (15.5)
System horsepower	4	6
Gas tubing	ø5/8" (ø15.88)	ø 3/4" (ø19.05)
Liquid tubing	ø 3/8" (ø9.52)	

Unit: in. (mm)

**Note:** If the system consists of only one indoor unit with an outdoor 6HP (Type 52), the main tube of the unit (LA) should be ø19.05. Convert ø19.05 to ø15.88 using a reducer (field supply) close to the indoor unit and then make the connection.

**Table 2-4 Main Tubing Size After Distribution (LB, LC...)**

Total capacity after distribution	Below BTU/h	24,200 (2.5 hp)	38,200 (4 hp)	47,800 (5 hp)	52,900 (6 hp)
	Over BTU/h	—	24,200 (2.5 hp)		
Tubing size	Gas tubing	ø1/2" (ø12.7)	ø5/8" (ø15.88)		ø3/4" (ø19.05)
	Liquid tubing	ø3/8" (ø9.52)	ø3/8" (ø9.52)		

Unit: in. (mm)  
hp = horsepower

**Note:** In case the total capacity of connected indoor units exceeds the total capacity of the outdoor units, select the main tubing size for the total capacity of the outdoor units.

**Table 2-5 Indoor Unit Tubing Connection (ℓ<sub>1</sub>, ℓ<sub>2</sub>... ℓ<sub>n-1</sub>)**

Indoor unit type	7	9	12	15	18	19	24	36	48	54
Gas tubing	ø1/2" (ø12.7)						ø5/8" (ø15.88)			
Liquid tubing	ø1/4" (ø6.35)						ø3/8" (ø9.52)			






Unit: in. (mm)

### 2-6. Straight Equivalent Length of Joints

Design the tubing system by referring to the following table for the straight equivalent length of joints.

**Table 2-6 Straight Equivalent Length of Joints**

Unit: ft.

Gas tubing size (in. (mm))		1/2" (12.7)	5/8" (15.88)	3/4" (19.05)
90° elbow		1	1.1	1.4
45° elbow		0.8	0.9	1
U-shape tube bend (R2-3/8" – 4" (60 – 100))		3	3.4	4.1
Trap bend		7.5	9.2	10.5
Y-branch distribution joint		Equivalent length conversion not needed.		
Ball valve for service		Equivalent length conversion not needed.		

**Table 2-7 Required Copper Tubing Dimensions**

Unit: in. (mm)

Material		Ø				
Copper tube	Outer diameter	1/4 (6.35)	3/8 (9.52)	1/2 (12.7)	5/8 (15.88)	3/4 (19.05)
	Wall thickness	1/32 (0.8)	1/32 (0.8)	1/32 (0.8)	5/128 (1.0)	over 5/128 (1.0)



## 2. System Design

### 2-7. Additional Refrigerant Charge

Additional refrigerant charge amount is calculated from the liquid tubing total length as follows.

**Table 2-8 Amount of Refrigerant Charge Per Feet, According to Liquid Tubing Size**

Liquid tubing size (in. (mm))	Amount of refrigerant charge (oz/ft.)
ø1/4" (ø6.35)	0.279
ø3/8" (ø9.52)	0.602

Required amount of charge = (Amount of refrigerant charge per ft. of each size of liquid tube × its tube length) + (...) + (...)

\*Always charge accurately using a scale for weighing.

**Table 2-9 Refrigerant Charge Amount at Shipment (for outdoor unit)**

Heat pump unit (Single-phase)(oz)	U-36LE1U6 U-36LE1U6E	U-52LE1U6 U-52LE1U6E
	123	123

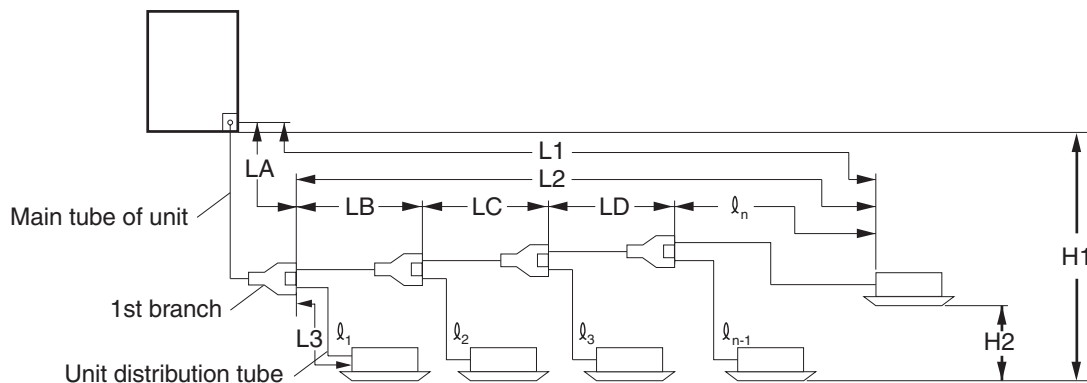
### 2-8. System Limitations

**Table 2-10 System Limitations**

Outdoor units	U-36LE1U6 U-36LE1U6E	U-52LE1U6 U-52LE1U6E
Number of max. connectable indoor units	6	9
Max. allowable indoor/outdoor capacity ratio	50 – 130%	

### 2-9. Tubing Length

Select the installation location so that the length and size of refrigerant tubing are within the allowable range shown in the figure below.



Note: Do not use commercially available T-joints for the liquid tubing.

\* Be sure to use special R410A distribution joints (CZ: purchased separately) for outdoor unit connections and tubing branches.

R410A distribution joint  
CZ-P160BK1U (for indoor unit)

## 2. System Design

**Table 2-11 Ranges that Apply to Refrigerant Tubing Lengths and to Differences in Installation Heights**

Items	Marks	Contents		Length (ft.)
Allowable tubing length	L1	Max. tubing length	Actual length	≤ 492
			Equivalent length	≤ 574
	$\Delta L (L2 - L3)$	Difference between max. length and min. length from the No.1 distribution joint		≤ 131
	LA	Max. length of main tubing (at max. diameter)		≤ 262
	$l_1, l_2 \dots l_n$	Max. length of each distribution tube		≤ 98
	$l_1 + l_2 + \dots l_{n-1} + L1$	Total max. tubing length including length of each distribution tube (only narrow tubing)		≤ 656
Allowable elevation difference	H1	When outdoor unit is installed higher than indoor unit		≤ 164
		When outdoor unit is installed lower than indoor unit		≤ 131
	H2	Max. difference between indoor units		≤ 49

L = Length, H = Height



### WARNING

Always check the gas density limit for the room in which the unit is installed.

### 2-10. Check of Limit Density

When installing an air conditioner in a room, it is necessary to ensure that even if the refrigerant gas accidentally leaks out, its density does not exceed the limit level for that room.



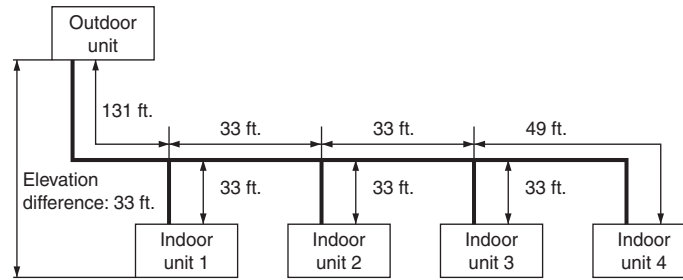
### CAUTION

Pay special attention to any location, such as a basement, etc., where leaking refrigerant can accumulate, since refrigerant gas is heavier than air.

## 2. System Design

### 2-11. System Example

- (1) Below are the tables created using the “PAC System Diagram Software.”  
Details of the calculations are shown in (2).



#### Selection conditions

Assumes that installation is in a 60 Hz region.

		Outdoor unit	Room 1 (indoor unit 1)	Room 2 (indoor unit 2)	Room 3 (indoor unit 3)	Room 4 (indoor unit 4)
Selected model		U-36LE1U6 (U-36LE1U6E)	Type 12	Type 7	Type 7	Type 7
Cooling	Air condition (DB/WB)	91.0 / 72.0	78.0 / 64.0	78.0 / 64.0	78.0 / 64.0	78.0 / 64.0
	Max. load (BTU/h)	—	10,000	7,000	7,000	7,000
Heating	Air condition (DB/WB)	37.0 / 35.0	69.0 / 55.0	69.0 / 55.0	69.0 / 55.0	69.0 / 55.0
	Max. load (BTU/h)	—	12,000	8,400	8,400	8,400
Actual tubing length		246 ft.	164 ft.	197 ft.	230 ft.	246 ft.
Equivalent length (with consideration for curves, etc.)		295 ft.	197 ft.	236 ft.	276 ft.	295 ft.

#### Preliminary selection

		Outdoor unit	Room 1 (indoor unit 1)	Room 2 (indoor unit 2)	Room 3 (indoor unit 3)	Room 4 (indoor unit 4)
Selected model		U-36LE1U6 (U-36LE1U6E)	Type 12	Type 7	Type 7	Type 7
Load (cooling/heating) (BTU/h)		—	10,000 / 12,000	7,000 / 8,400	7,000 / 8,400	7,000 / 8,400
Rated capacity (cooling/heating) (BTU/h)		38,200 / 42,700	12,000 / 14,000	7,500 / 8,500	7,500 / 8,500	7,500 / 8,500
(5) Corrected capacity (cooling/heating) (BTU/h)		33,200 / 33,700	11,700 / 14,000	7,200 / 8,400	7,000 / 8,400	6,900 / 8,300
(7) Actual capacity (cooling/heating) (BTU/h)		—	11,700 / 12,200	7,200 / 7,400	7,000 / 7,300	6,900 / 7,300

Total corrected capacity of indoor units (cooling/heating) = 32,800 / 39,100

$R_{uc} = 32,800 / 33,200 = 0.988 < 1$      $R_{uh} = 39,100 / 33,700 = 1,160 > 1$

#### Outdoor unit changes

During heating, the corrected outdoor unit capacity is less than the total corrected capacity of all indoor units in the system. As a result, the actual capacity of each indoor unit is less than the maximum load. Therefore the outdoor unit is increased by one rank.

		Outdoor unit	Room 1 (indoor unit 1)	Room 2 (indoor unit 2)	Room 3 (indoor unit 3)	Room 4 (indoor unit 4)
Selected model		U-52LE1U6 (U-52LE1U6E)	Type 12	Type 7	Type 7	Type 7
Maximum load (cooling/heating) (BTU/h)		—	10,000 / 12,000	7,000 / 8,400	7,000 / 8,400	7,000 / 8,400
Rated capacity (cooling/heating) (BTU/h)		52,900 / 60,000	12,000 / 14,000	7,500 / 8,500	7,500 / 8,500	7,500 / 8,500
(5) Corrected capacity (cooling/heating) (BTU/h)		45,900 / 47,300	11,700 / 14,000	7,200 / 8,400	7,000 / 8,400	6,900 / 8,300
(7) Actual capacity (cooling/heating) (BTU/h)		—	11,700 / 14,000	7,200 / 8,400	7,000 / 8,400	6,900 / 8,300

Total corrected capacity of all indoor units (cooling/heating) = 32,800 / 39,100

$R_{uc} = 32,800 / 45,900 = 0.715 < 1$      $R_{uh} = 39,100 / 47,300 = 0.827 < 1$

## 2. System Design

### Indoor unit changes

The indoor unit in room 4, where the corrected indoor unit capacity is less than the maximum load, is increased by one rank.

	Outdoor unit	Room 1 (indoor unit 1)	Room 2 (indoor unit 2)	Room 3 (indoor unit 3)	Room 4 (indoor unit 4)
Selected model	U-52LE1U6 (U-52LE1U6E)	Type 12	Type 7	Type 7	Type 12
Maximum load (cooling/heating) (BTU/h)	—	10,000 / 12,000	7,000 / 8,400	7,000 / 8,400	7,000 / 8,400
Rated capacity (cooling/heating) (BTU/h)	52,900 / 60,000	12,000 / 14,000	7,500 / 8,500	7,500 / 8,500	12,000 / 14,000
(5) Corrected capacity (cooling/heating) (BTU/h)	45,900 / 47,300	11,700 / 14,000	7,200 / 8,400	7,000 / 8,400	11,000 / 13,700
(7) Actual capacity (cooling/heating) (BTU/h)	—	11,700 / 14,000	7,200 / 8,400	7,000 / 8,400	11,000 / 13,700

Total corrected capacity of all indoor units (cooling/heating) = 36,900 / 44,500

$R_{uc} = 36,900 / 45,900 = 0.804 < 1$      $R_{uh} = 44,500 / 47,300 = 0.941 < 1$

•For both cooling and heating in all rooms, actual capacity is now greater than or equal to the maximum load. Selection is completed.

(2) Calculate the final selection results according to the capacity calculation procedure.

**[From calculation of the correction coefficient to calculation of actual capacity]** (Cooling/heating)

	Outdoor unit	Room 1 (indoor unit 1)	Room 2 (indoor unit 2)	Room 3 (indoor unit 3)	Room 4 (indoor unit 4)
Rated capacity (cooling/heating) (BTU/h)	52,900 / 60,000	12,000 / 14,000	7,500 / 8,500	7,500 / 8,500	12,000 / 14,000
Correction coefficient	(1) Model	1.00 / 1.00	—	—	—
	(2) Temp. condition	1.020 / 0.937	0.920 / 0.980	0.920 / 0.980	0.920 / 0.980
	(3) Tubing length, elevation difference	0.851 / 0.946	1.062 / 1.020	1.037 / 1.012	1.012 / 1.004
	(4) Frosting • defrosting	— / 0.890	—	—	—
Result of (2) × (3)	—	0.977 / 1.000	0.954 / 0.992	0.992 / 0.984	0.920 / 0.980
Correction coefficient applied to indoor unit *1	—	0.977 / 1.000	0.954 / 0.992	0.992 / 0.984	0.920 / 0.980
(5) Corrected capacity (BTU/h) *2	45,900 / 47,300	11,700 / 14,000	7,200 / 8,400	7,000 / 8,400	11,000 / 13,700
(6) Correction coefficient for corrected capacity ratio	—	1.00 / 1.00			
(7) Actual capacity (BTU/h)	—	11,700 / 14,000	7,200 / 8,400	7,000 / 8,400	11,000 / 13,700

\*1: This varies depending on the values of (2) and (2) × (Distribution ratio in (3)).

\*2: Corrected outdoor unit capacity = Rated outdoor unit capacity × (1) × (2) × (3) × (4)

The actual capacity is calculated as shown below.

Cooling:  $R_{uc} = (11,700 + 7,200 + 7,000 + 11,000) / 45,900 = 0.804 < 1$

Therefore,

Actual cooling capacity of each indoor unit = Corrected cooling capacity of each indoor unit

(In other words, the correction coefficient [6] for the corrected capacity ratio is 1.)

Heating:  $R_{uh} = (14,000 + 8,400 + 8,400 + 13,700) / 47,300 = 0.941 < 1$

Therefore,

Actual heating capacity of each indoor unit = Corrected heating capacity of each indoor unit

(In other words, the correction coefficient (6) for the corrected capacity ratio is 1.)

## 2. System Design

### 2-12. Example of Tubing Size Selection and Refrigerant Charge Amount

#### Additional refrigerant charging

Based on the values in Tables 2-3, 2-4, 2-5 and 2-8, use the liquid tubing size and length, and calculate the amount of additional refrigerant charge using the formula below.

$$\text{Required additional refrigerant charge (oz)} = 0.602 \times (a) + 0.279 \times (b)$$

(a): Liquid tubing Total length of  $\phi 3/8"$  ( $\phi 9.52$ ) (ft.) (b): Liquid tubing Total length of  $\phi 1/4"$  ( $\phi 6.35$ ) (ft.)

#### ● Charging procedure

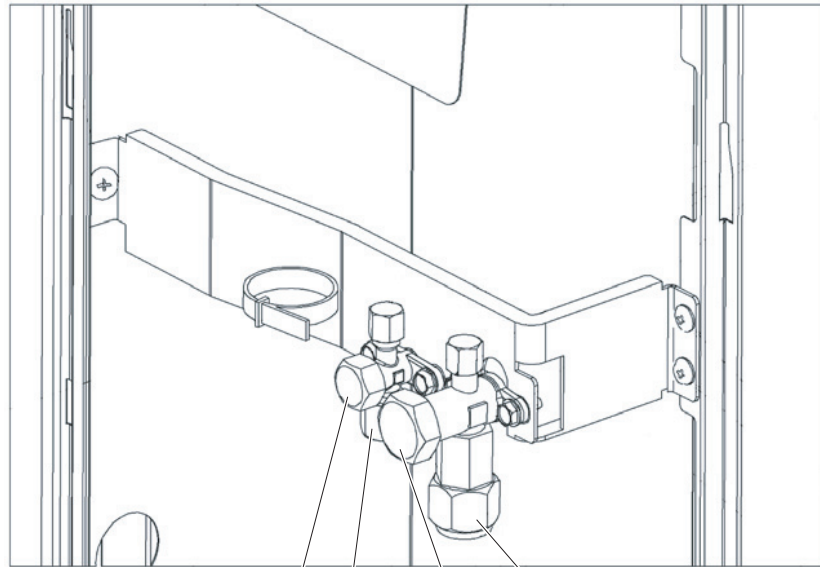
Be sure to charge with R410A refrigerant **in liquid form**.

1. After performing a vacuum, charge with refrigerant from the liquid tubing side. At this time, all valves must be in the "fully closed" position.
2. If it was not possible to charge the designated amount, operate the system in Cooling mode while charging with refrigerant from the gas tubing side. (This is performed at the time of the test run. For this, all valves must be in the "fully open" position.)

Charge with R410A refrigerant in liquid form.

With R410A refrigerant, charge while adjusting the amount being fed a little at a time in order to prevent liquid refrigerant from backing up.

- After charging is completed, turn all valves to the "fully open" position.
- Replace the tubing covers as they were before.



Tightening torque for valve stem cap: 160 – 180 lbs · in. ④

① Tightening torque: 590 – 710 lbs · in.

Tightening torque: 300 – 360 lbs · in. ③

② Tightening torque for valve stem cap: 240 – 280 lbs · in.

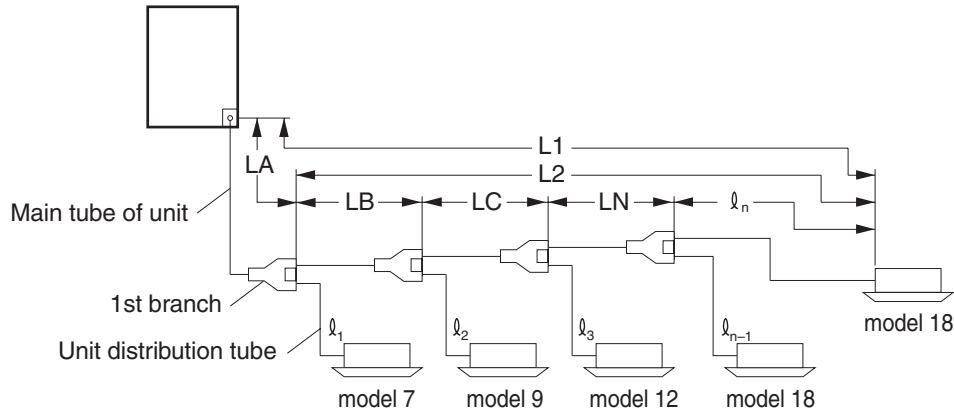


#### CAUTION

1. R410A additional charging absolutely must be done through liquid charging.
2. The R410A refrigerant cylinder has a gray base color, and the top part is pink.
3. The R410A refrigerant cylinder includes a siphon tube. Check that the siphon tube is present. (This is indicated on the label at the top of the cylinder.)
4. Due to differences in the refrigerant, pressure, and refrigerant oil involved in installation, it is not possible in some cases to use the same tools for R22 and for R410A.

## 2. System Design

### Example:



- Example of each tubing length

Main tubing	Distribution joint tubing	
LA = 131 ft.	Indoor side	
LB = 16 ft.	$l_1 = 16$ ft.	$l_4 = 20$ ft.
LC = 16 ft.	$l_2 = 16$ ft.	$l_5 = 16$ ft.
LD = 49 ft.	$l_3 = 7$ ft.	

- Obtain charge amount for each tubing size

Note that the charge amounts per 3.3 ft. are different for each liquid tubing size.

$$\begin{aligned} \phi 3/8" (\phi 9.52) &\rightarrow LA + LB + LC + LD : 212 \text{ ft.} \times 0.602 \text{ oz/ft.} = 127 \text{ oz} \\ \phi 1/4" (\phi 6.35) &\rightarrow l_1 + l_2 + l_3 + l_4 + l_5 : 75 \text{ ft.} \times 0.279 \text{ oz/ft.} = 20 \text{ oz} \end{aligned}$$

Total 147 oz

Additional refrigerant charge amount is 147 oz.



**CAUTION**

**Be sure to check the limit density for the room in which the indoor unit is installed.**

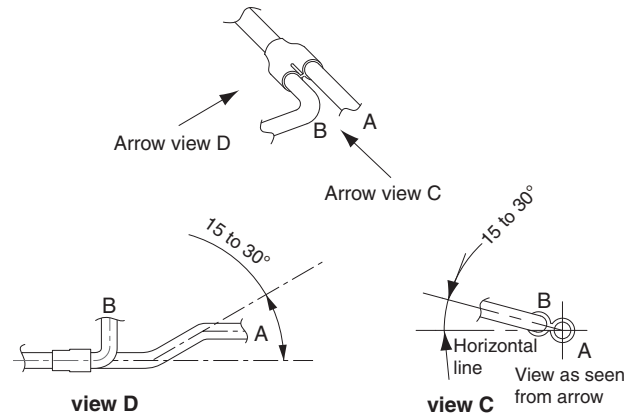
## 2. System Design

### 2-13. Installing Distribution Joint

- (1) Refer to "HOW TO ATTACH DISTRIBUTION JOINT" enclosed with the optional distribution joint kit (CZ-P160BK1U).
- (2) In order to prevent accumulation of refrigerant oil in stopped units, if the main tubing is horizontal then each branch tubing length "B" should be at an angle that is greater than horizontal. If the main tubing is vertical, provide a raised starting portion for each branch.  
When only one indoor unit is connected to the side of "A", install part "A" at a positive angle (15-30°) for the field tubing as shown in the figure.
- (3) If there are height differences between indoor units or if branch tubing that follows a distribution joint is connected to only 1 unit, a trap or ball valve must be added to that distribution joint. (When adding the ball valve, locate it within 1.3 ft. of the distribution joint.)

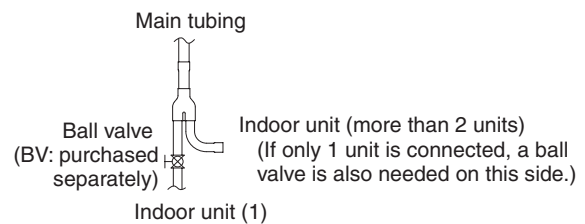
**If a trap or ball valve is not added, do not operate the system before repairs to a malfunctioning unit are completed. (The refrigerant oil sent through the tubing to the malfunctioning unit will accumulate and may damage the compressor.)**

#### Tube branching methods (horizontal use)

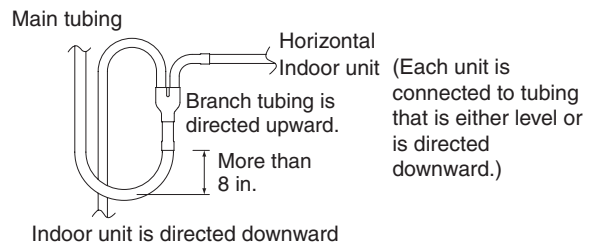


#### Types of vertical trap specifications

##### (When using ball valve)



##### (When not using ball valve)



## 3. Electrical Wiring

### 3-1. General Precautions on Wiring

- (1) Before wiring, confirm the rated voltage of the unit as shown on its nameplate, then carry out the wiring closely following the wiring diagram.
- (2) Provide a power outlet to be used exclusively for each unit, and a power supply disconnect, circuit breaker and earth leakage breaker for overcurrent protection should be provided in the exclusive line.
- (3) To prevent possible hazards from insulation failure, the unit must be grounded.
- (4) Each wiring connection must be done in accordance with the wiring system diagram. Wrong wiring may cause the unit to misoperate or become damaged.
- (5) Do not allow wiring to touch the refrigerant tubing, compressor, or any moving parts of the fan.
- (6) Unauthorized changes in the internal wiring can be very dangerous. The manufacturer will accept no responsibility for any damage or misoperation that occurs as a result of such unauthorized changes.
- (7) Regulations on wire diameters differ from locality to locality. For field wiring rules, please refer to your LOCAL ELECTRICAL CODES before beginning.  
You must ensure that installation complies with all relevant rules and regulations.
- (8) To prevent malfunction of the air conditioner caused by electrical noise, care must be taken when wiring as follows:
  - The remote control wiring and the inter-unit control wiring should be wired apart from the inter-unit power wiring.
  - Use shielded wires for inter-unit control wiring between units and ground the shield on both sides.
- (9) If the power supply cord of this appliance is damaged, it must be replaced by a repair shop appointed by the manufacturer, because special purpose tools are required.

## 2

### 3-2. Recommended Wire Length and Wire Diameter for Power Supply System

#### Outdoor unit

Type	Time delay fuse or circuit capacity
U-36LE1U6 U-36LE1U6E	30 A
U-52LE1U6 U-52LE1U6E	50 A

#### Indoor unit

Type	Time delay fuse or circuit capacity
K1	15 A
D1, U1, Y1, F1, M1, T1, P1, R1	15 A
E1	15 A

#### Control wiring

(A) Inter-unit (between outdoor and indoor units) control wiring*	(B) Remote control wiring	(C) Control wiring for group control
AWG #18 (0.75 mm <sup>2</sup> )	AWG #18 (0.75 mm <sup>2</sup> )	AWG #18 (0.75 mm <sup>2</sup> )
Max. 3,280 ft.	Max. 1,640 ft.	Max. 650 ft. (Total)

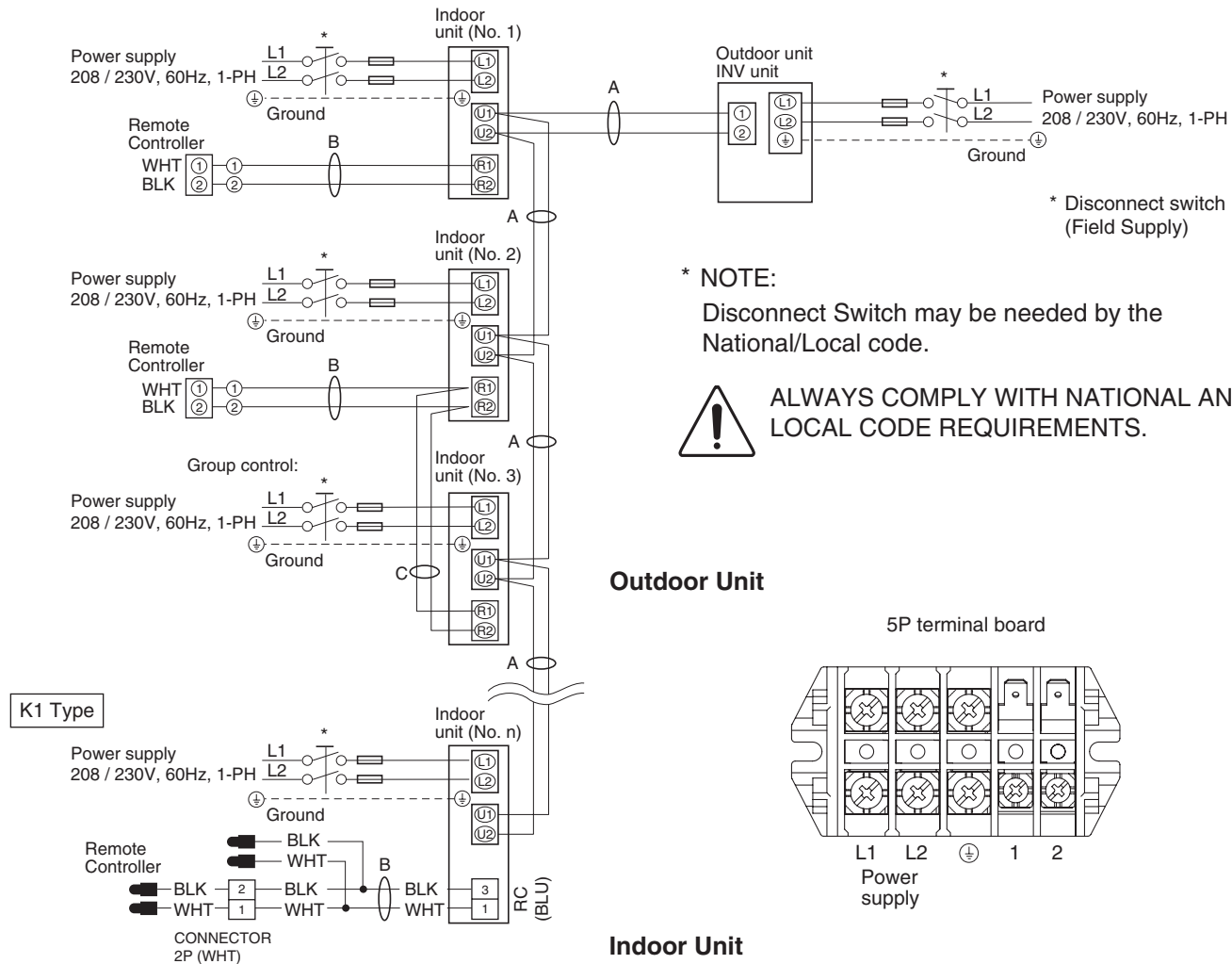
#### NOTE

\* With ring-type wire terminal.



### 3. Electrical Wiring

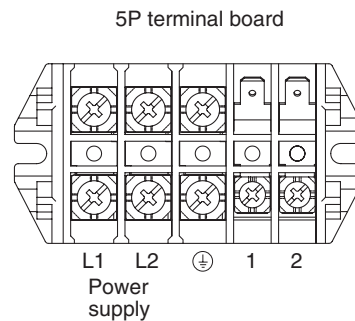
### 3-3.Wiring System Diagram



## NOTE

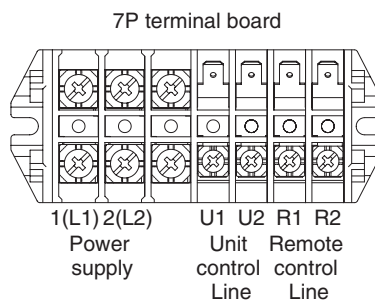
- (1) Refer to Section 3-2. "Recommended Wire Length and Wire Diameter for Power Supply System for the explanation of "A," "B," and "C," in the above diagram.
- (2) The basic connection diagram of the indoor unit shows the 6P terminal board, so the terminal boards in your equipment may differ from the diagram.
- (3) Refrigerant Circuit (R.C.) address should be set before turning the power on.
- (4) Regarding the R.C. address setting, refer to Section 5 "TEST RUN." Address setting can be executed by remote controller automatically.

## Outdoor Unit

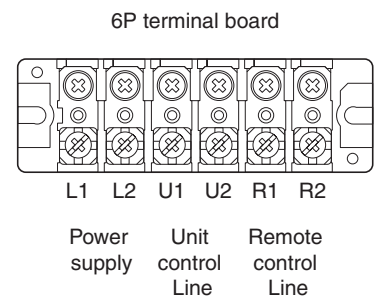


## Indoor Unit

## U1, E1 Types

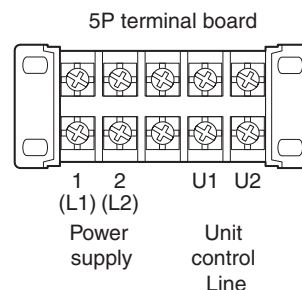


### Y1, D1, T1, F1, M1, P1, R1 Types



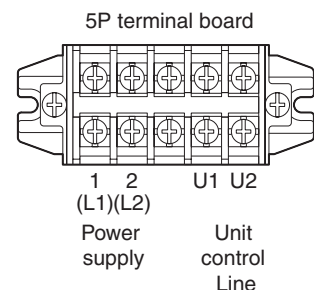
### K1 Type

**Model : S-07MK1U6  
S-09MK1U6  
S-12MK1U6**



### K1 Type

**Model : S-18MK1U6  
S-19MS1U6  
S-24MK1U6**



### 3. Electrical Wiring



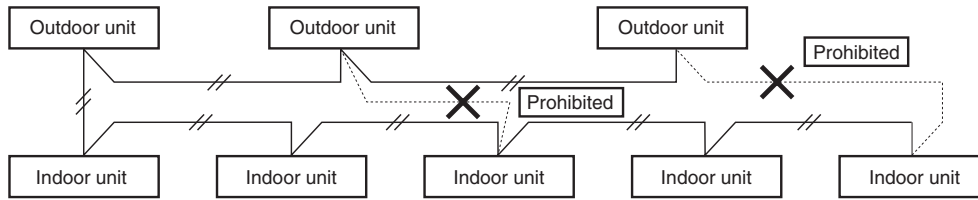
**CAUTION**

- (1) When linking outdoor units in a network, disconnect the terminal extended from the short plug (CN003, 2P Black, location: right bottom on the outdoor main control PCB) from all outdoor units except any one of the outdoor units.

(When shipping: In shorted condition.)

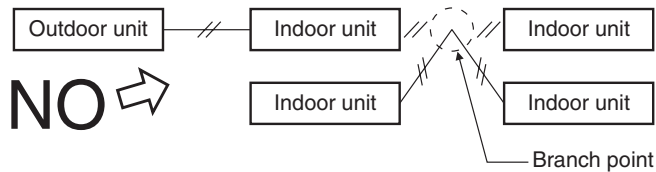
For a system without link (no connection wiring between outdoor units), do not remove the short plug.

- (2) Do not install the inter-unit control wiring in a way that forms a loop. (Fig. 2-1)



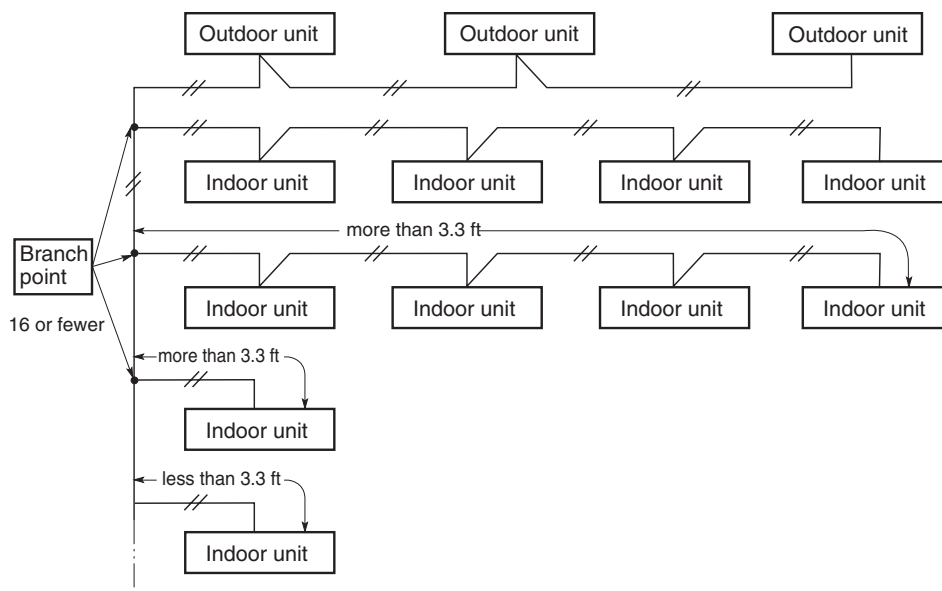
**Fig. 2-1**

- (3) Do not install inter-unit control wiring such as star branch wiring. Star branch wiring causes mis-address setting.



**Fig. 2-2**

- (4) If branching the inter-unit control wiring, the number of branch points should be 16 or fewer. (Branches less than 3.3 ft. are not included in the total branch number.) (Fig. 2-3)



**Fig. 2-3**

### 3. Electrical Wiring



#### WARNING

Loose wiring may cause the terminal to overheat or result in unit malfunction. A fire hazard may also exist. Therefore, ensure that all wiring is tightly connected.

When connecting each power wire to the terminal, follow the instructions on “How to connect wiring to the terminal” and fasten the wire securely with the fixing screw of the terminal plate.

#### How to connect wiring to the terminal

##### ■ For stranded wiring

- (1) Cut the wire end with cutting pliers, then strip the insulation to expose the stranded wiring approx. 3/8 in. and tightly twist the wire ends. (Fig. 2-4)
- (2) Using a Phillips head screwdriver, remove the terminal screw(s) on the terminal plate.
- (3) Using a ring connector fastener or pliers, securely clamp each stripped wire end with a ring pressure terminal.
- (4) Place the ring pressure terminal, and replace and tighten the removed terminal screw using a screwdriver. (Fig. 2-5)

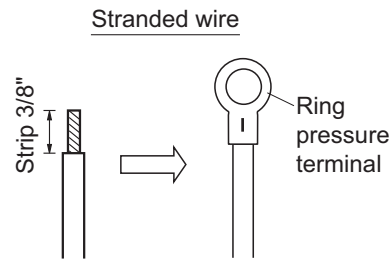


Fig. 2-4

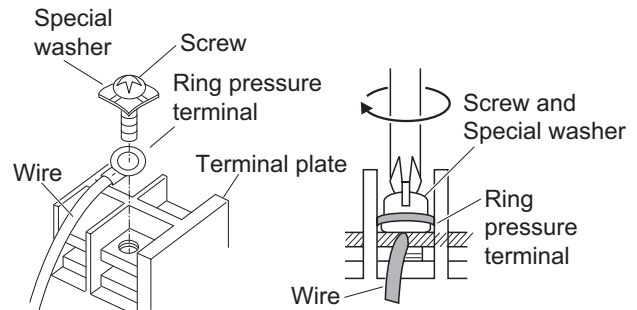


Fig. 2-5

### 3. Electrical Wiring

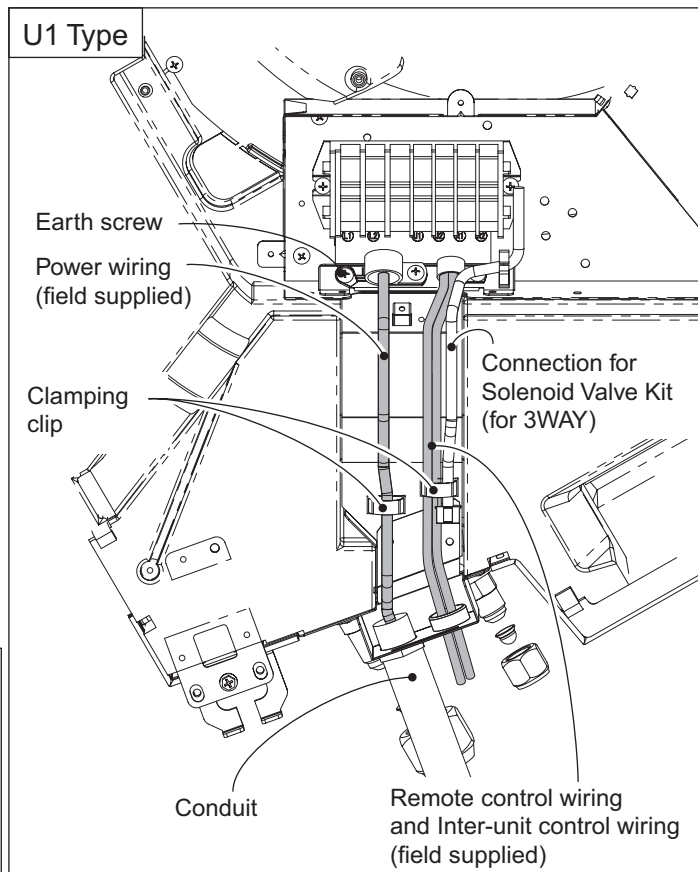
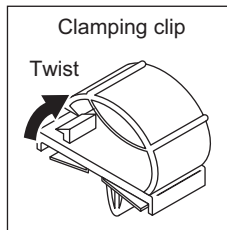
#### 3-4. Important Note When Wiring for Common Type

Connect the wires referring to the diagram.  
Note that the control wirings (Low voltages) shall be segregated from the power supply wires (High voltage) as follows:

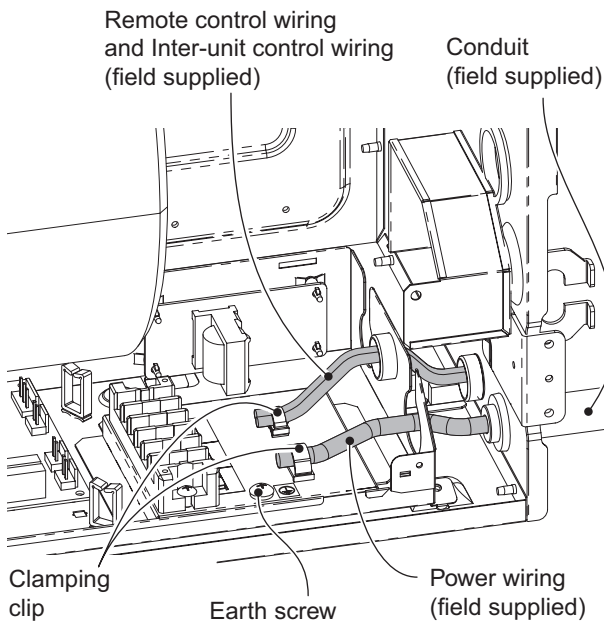
1. Connect the Inter-unit control wiring to U1/U2 terminals and the remote control wire to R1/R2. (excepting K1 type).
2. Connect the power supply wires to "L1, L2" of the terminal block. Be sure to connect the grounding conductor of the incoming power supply to the earth (ground) screw.
3. Securely affix the power supply wires and remote control wires by the clamping strap or clamping clip not to cross each other and not to leave the wirings loose. When loosening the clamping clip, twist the strap and it will come undone.

#### NOTE

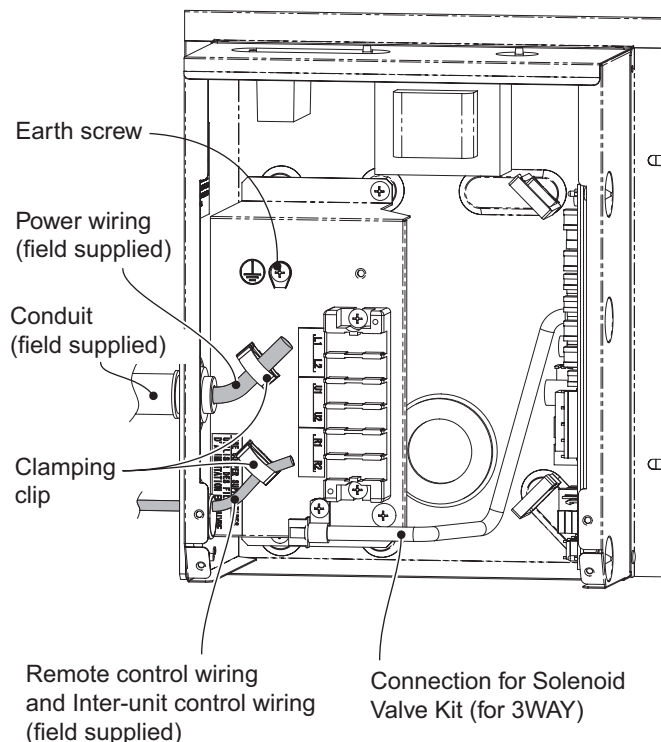
Securely affix the 3-way wiring harness with the remote control wiring (U1 type).



#### D1 Type

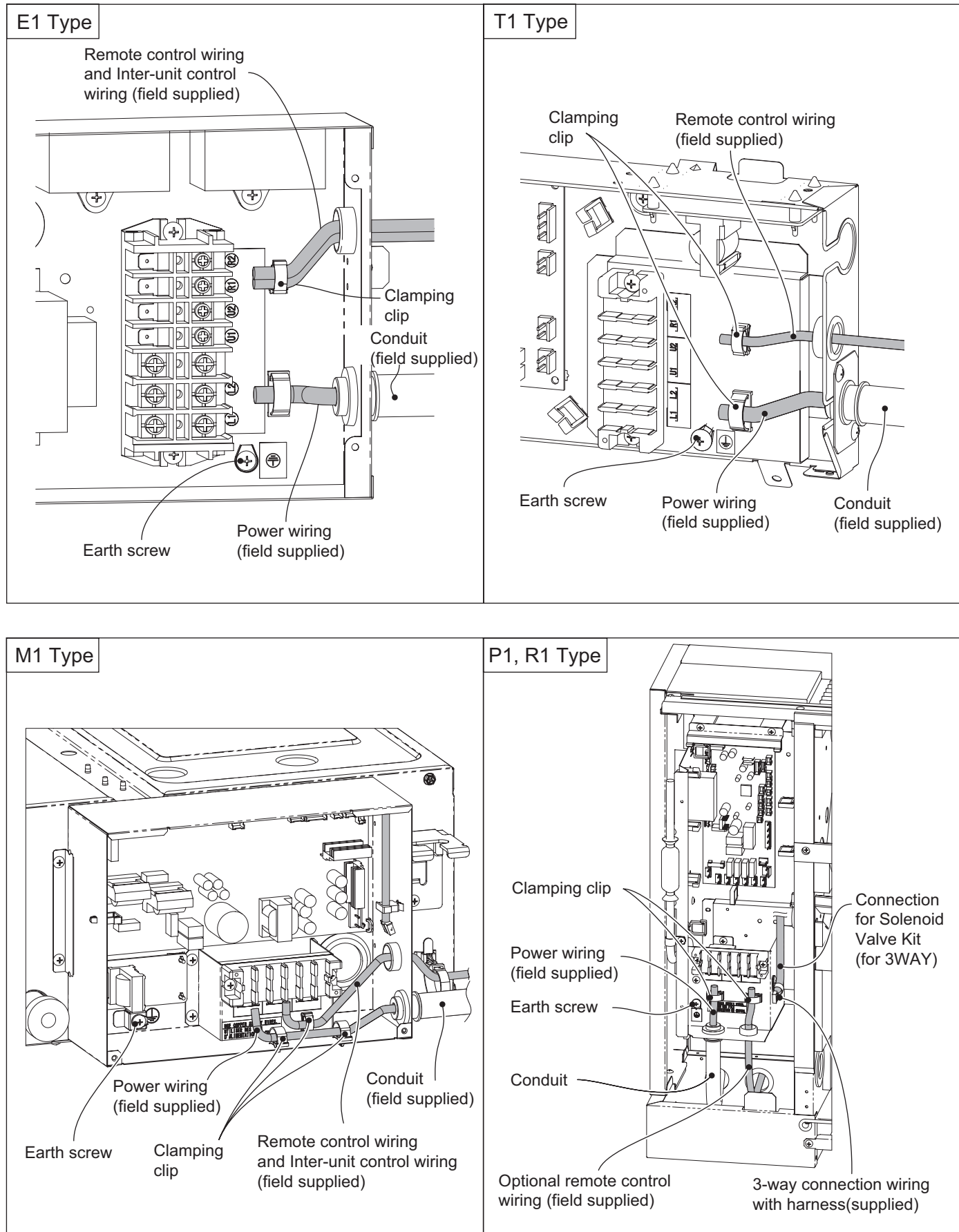


#### F1 Type



### 3. Electrical Wiring

#### Important Note When Wiring for Common Type (Continued)

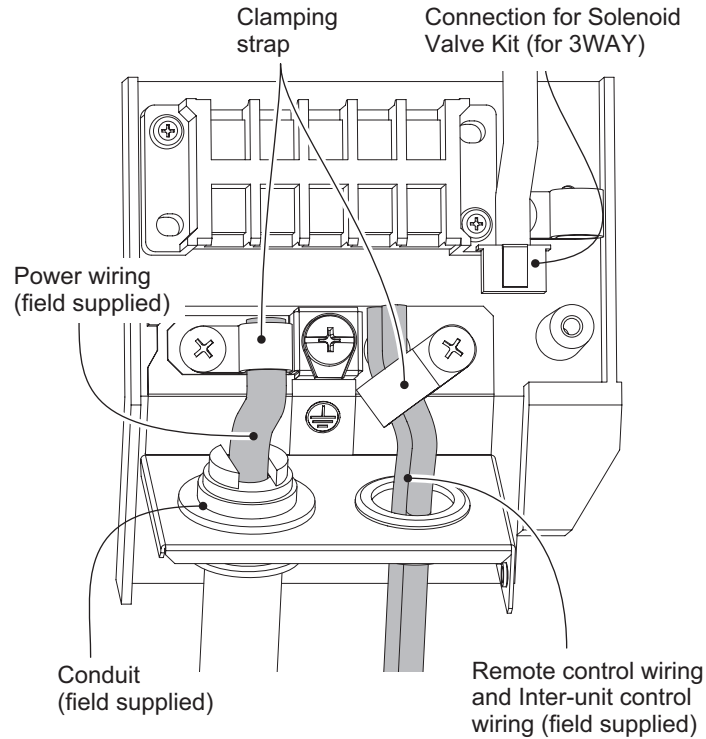


### 3. Electrical Wiring

#### Important Note When Wiring for Common Type (Continued)

##### K1 Type

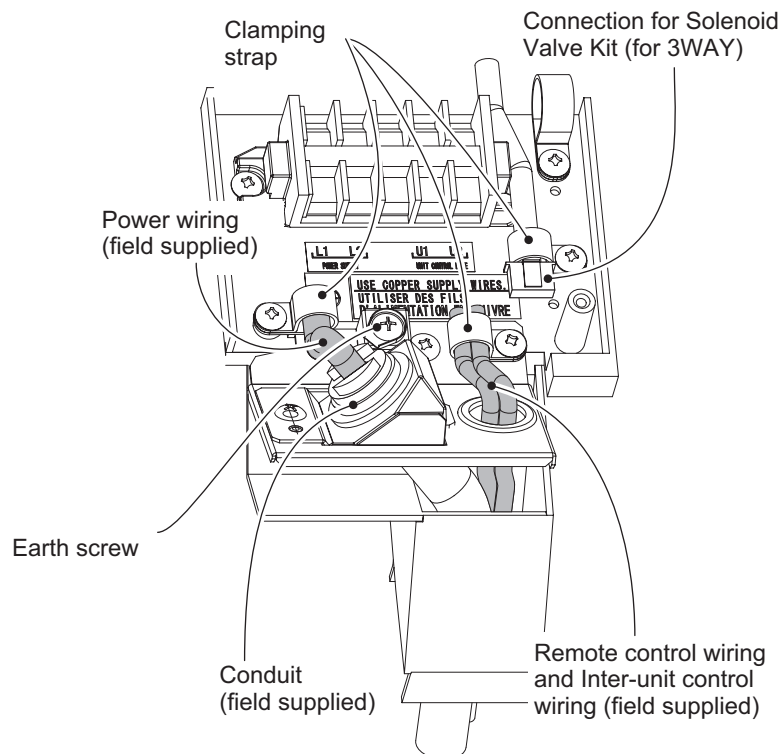
Model : S-07MK1U6  
S-09MK1U6  
S-12MK1U6



2

##### K1 Type

Model : S-18MK1U6  
S-19MS1U6\*  
S-24MK1U6



\* Necessary to install the External Electronic Expansion Valve Kit (Optional : CZ-P56SVK1U)

### 3. Electrical Wiring

#### 3-5. Important Note When Wiring for Y1 Type

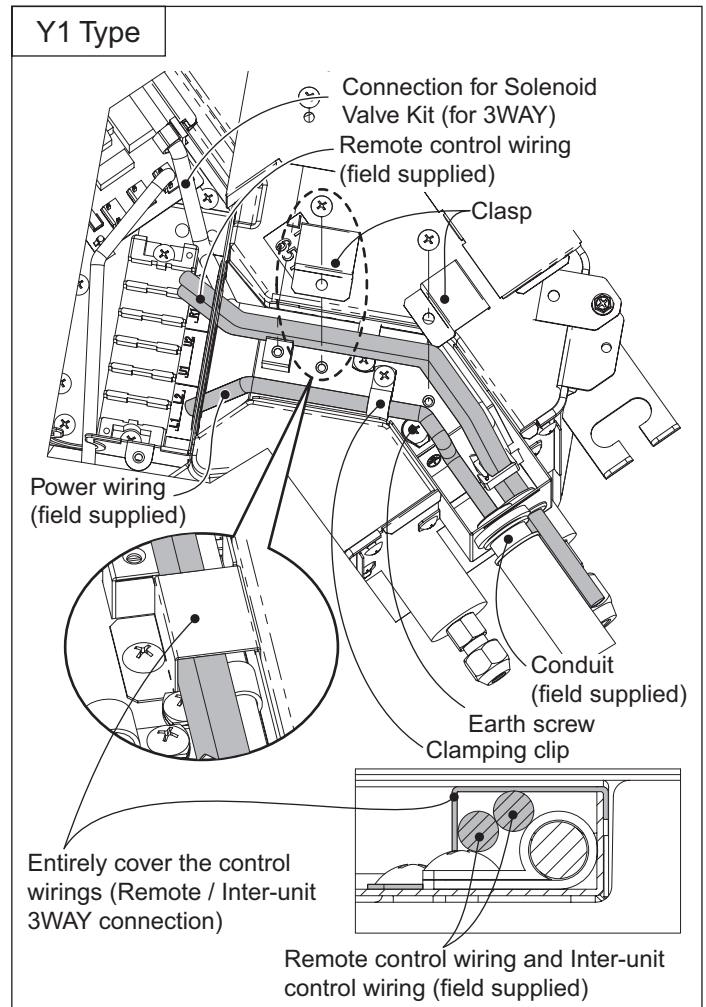
Connect the wires referring to the diagram.

Note that the control wirings (Low Voltages) shall be segregated from the power supply wires (High Voltage) as follows:

1. Connect the Inter-unit control wiring to U1/U2 terminals and the remote control wire to R1/R2. Then place and fix the two clasps so that the clasps shall cover both the remote control wires, the Inter-unit control wiring and the 3-way wiring harness as shown in the magnified drawing.
2. Connect the grounding conductor of the incoming power supply to the earth (ground) screw before connecting the power supply conductors to "L1, L2" of the terminal block.
3. Securely affix the two power supply conductors (L1, L2) in the wiring channel by the clamping strap as shown.

#### NOTE

Take care not to damage the control wirings by the clasp. Do not leave the control wirings loose.





## 4. Installation Instructions

### 4-1. Selecting the Installation Site for Outdoor Unit

#### AVOID:

- heat sources, exhaust fans, etc.(Fig.2-6)
- damp, humid or uneven locations

#### DO:

- choose a place as cool as possible.
- choose a place that is well ventilated and outside air temperature does not exceed maximum 113°F constantly.
- allow enough room around the unit for air intake/exhaust and possible maintenance.(Fig.2-7)
- use lug bolts or equal to bolt down unit, reducing vibration and noise.

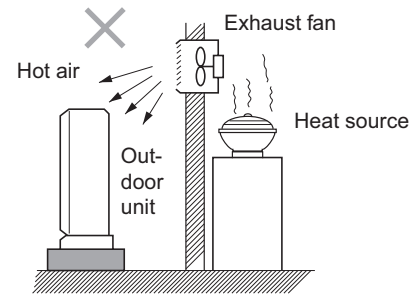


Fig. 2-6

#### Installation space

Distance between obstructions and the unit air inlet and outlet must be as shown below.

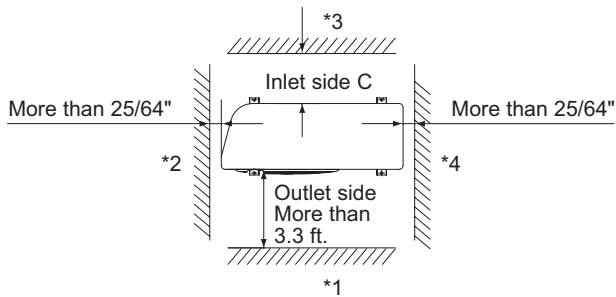


Fig. 2-7

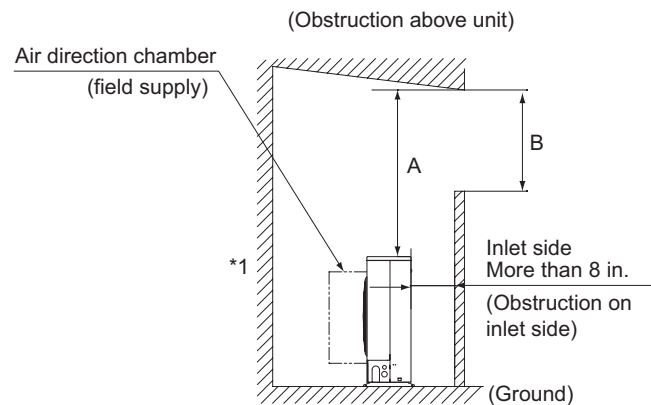


Fig. 2-8



#### CAUTION

- Concerning inlet-side distance "C" (Fig. 2-7)  
The minimum for distance "C" is 6 in. if there are no obstructions on the outlet side (wall \*1 side) and \*2 or \*4 is not present. In all other cases, the minimum for distance "C" is 8 in.
- If the unit is installed with the outlet side facing wall \*1, then there must be no obstructions on 2 of the remaining 3 sides: \*2, \*3, \*4.
- If wall \*1 is on the outlet side (Fig. 2-7), or if obstructions are present on all 3 sides \*2, \*3, and \*4 (Fig. 2-7), then the minimum distance for "A" and "B" is 6.6 ft. (Fig. 2-9). Even if there is no wall on the outlet side, a minimum of 3.3 ft. is required.

#### In case of multiple installations

- provide a solid base (concrete block, 4 × 16 in. beams or equal), a minimum of 6 in. above ground level to reduce humidity and protect the unit against possible water damage and decreased service life. (Fig. 2-9)
- use lug bolts or equal to bolt down unit, reducing vibration and noise.

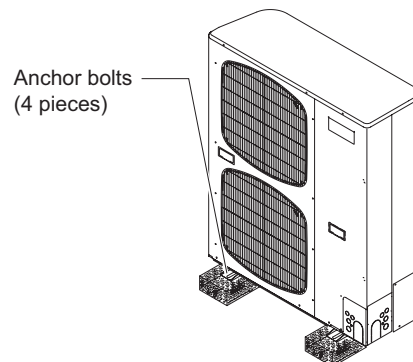


Fig. 2-9



## 4. Installation Instructions

### 4-2. Air Discharge Chamber for Top Discharge

Be sure to install an air discharge chamber (field supply) in the field when:

- it is difficult to keep a space of min.20 in.between the air discharge outlet and an obstacle.
  - the air discharge outlet is facing a sidewalk and discharged hot air may annoy passers-by.
- Refer to Fig.2-10.

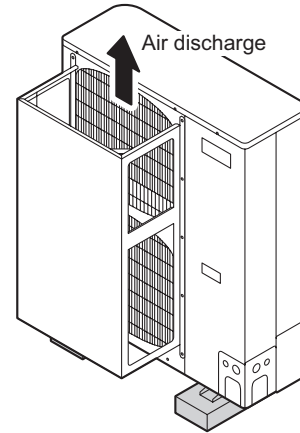


Fig. 2-10

### 4-3. Installing the Unit in Heavy Snow Areas

In locations with strong wind, snow-proof ducting (field supply) should be fitted and direct exposure to the wind should be avoided as much as possible.

#### ■ Countermeasures against snow and wind

In regions with snow and strong wind, the following problems may occur when the outdoor unit is not provided with a platform and snow-proof ducting:

- The outdoor fan may not run and damage to the unit may occur.
- There may be no air flow.
- The tubing may freeze and burst.
- The condenser pressure may drop because of strong wind, and the indoor unit may freeze.

### 4-4. Precautions for Installation in Heavy Snow Areas

- (1) The platform should be higher than the max. snow depth. (Fig. 2-11)
- (2) The 2 anchoring feet of the outdoor unit should be used for the platform, and the platform should be installed beneath the air intake side of outdoor unit.
- (3) The platform foundation must be firm and the unit must be secured with anchor bolts.
- (4) In case of installation on a roof subject to strong wind, countermeasures must be taken to prevent the unit from being blown over.

In regions with significant snowfall, the outdoor unit should be provided with a platform and snow-proof ducting.

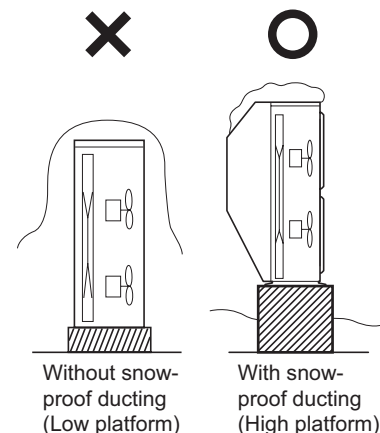


Fig. 2-11

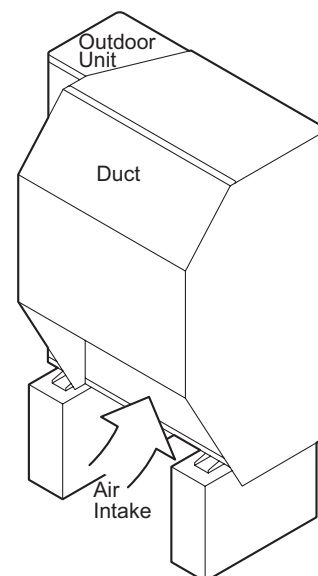
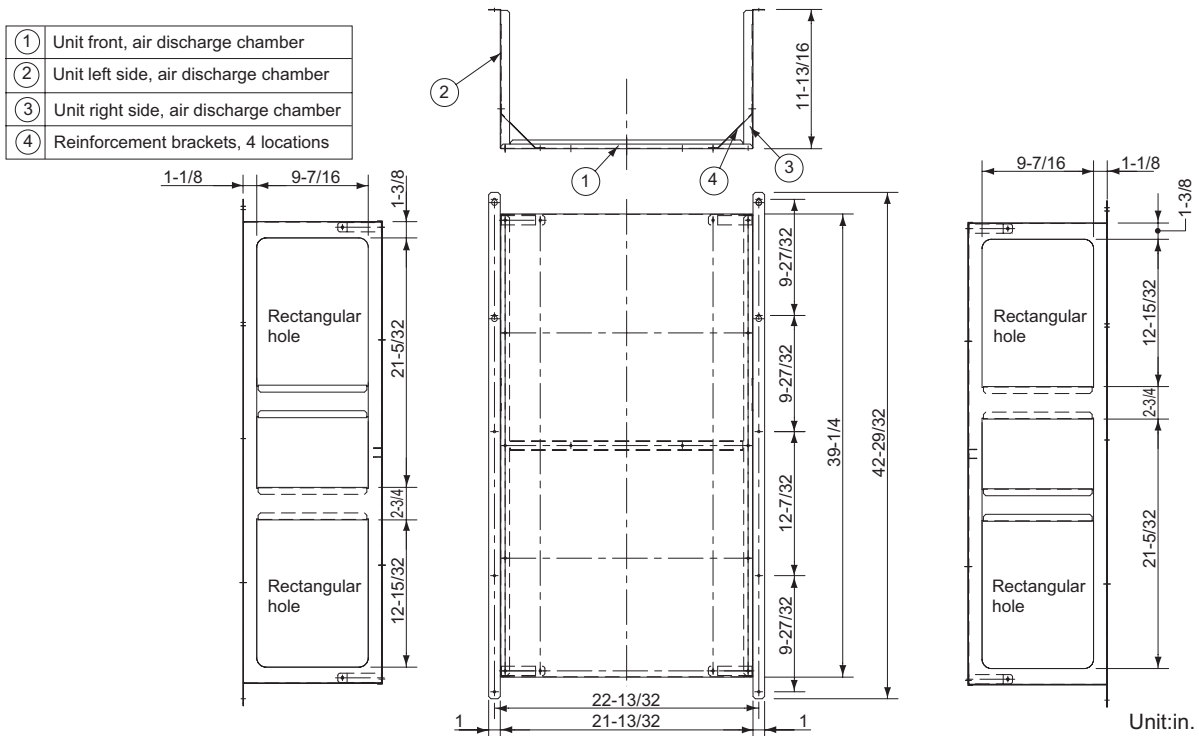


Fig. 2-12

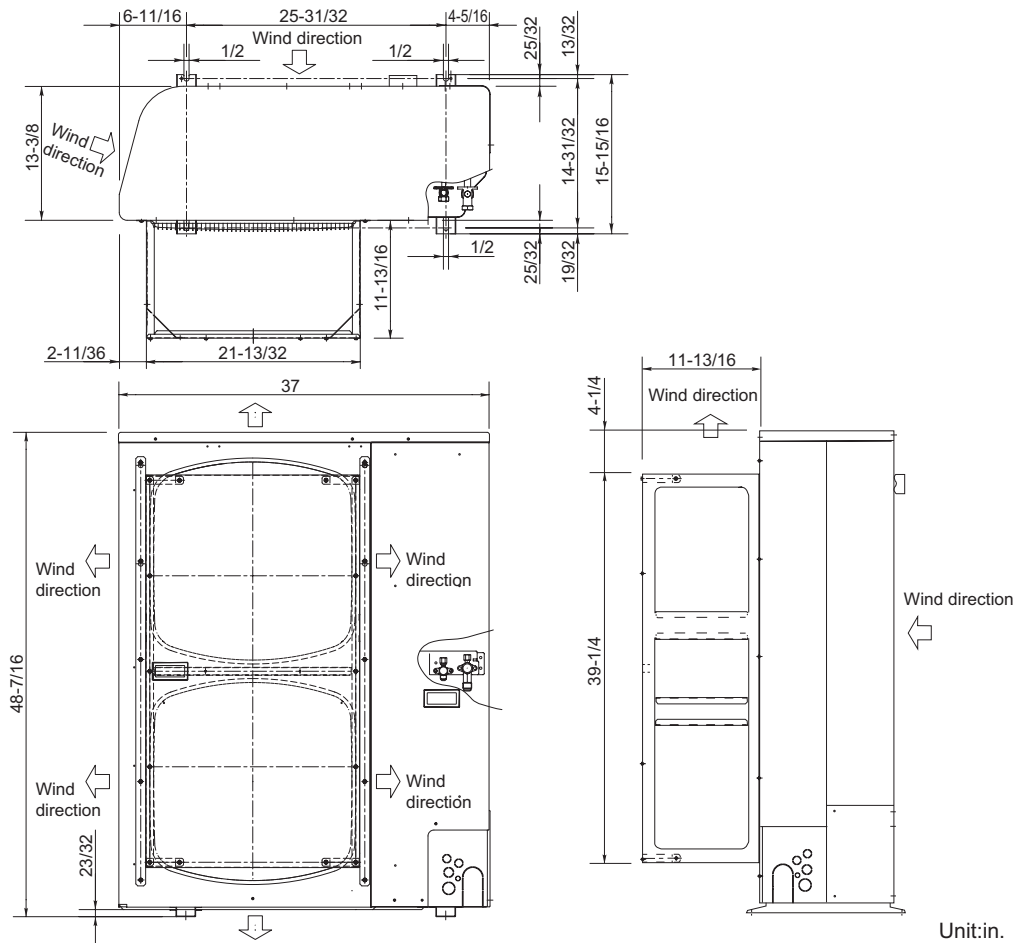
## 4. Installation Instructions

### 4-5. Dimensions of Air-Discharge Chamber

Reference diagram for air-discharge chamber (field supply)



### 4-6. Dimensions of Outdoor Unit with Air-Discharge Chamber (field supply)



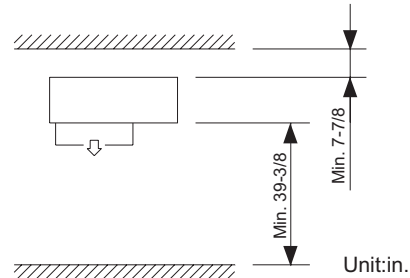
## 4. Installation Instructions

### Reference for air-discharge chamber (field supply)

#### Required space around outdoor unit

If an air discharge chamber is used, the space shown below must be secured around the outdoor unit.  
If the unit is used without the required space, a protective device may activate, preventing the unit from operating.

#### (1) Single-unit installation

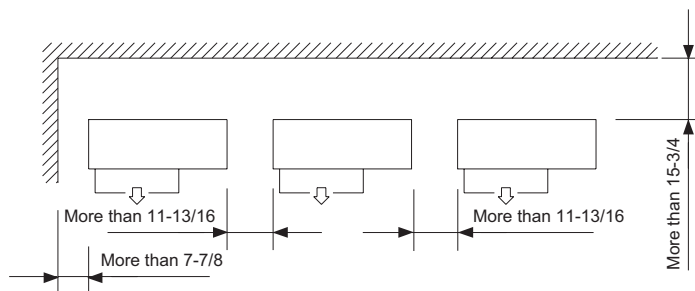


#### CAUTION

The top and both sides must remain open.  
If there are obstacles to the front and rear of the outdoor unit, the obstacle at either the front or rear must be no taller than the height of the outdoor unit.

#### (2) Multiple-unit installation

##### ● Installation in lateral rows



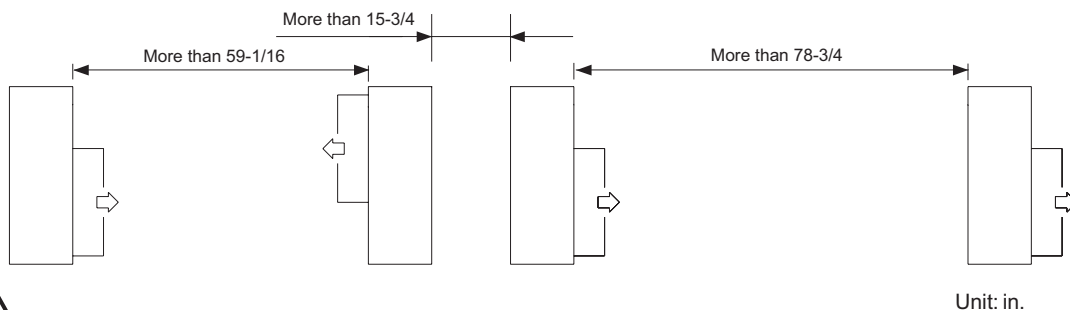
#### CAUTION

The front and top must remain open.  
The obstacles must be no taller than the height of the outdoor unit.

##### ● Installation in front-rear rows

Installation with intakes facing  
intakes or outlets facing outlets

Installation with intakes facing outlets



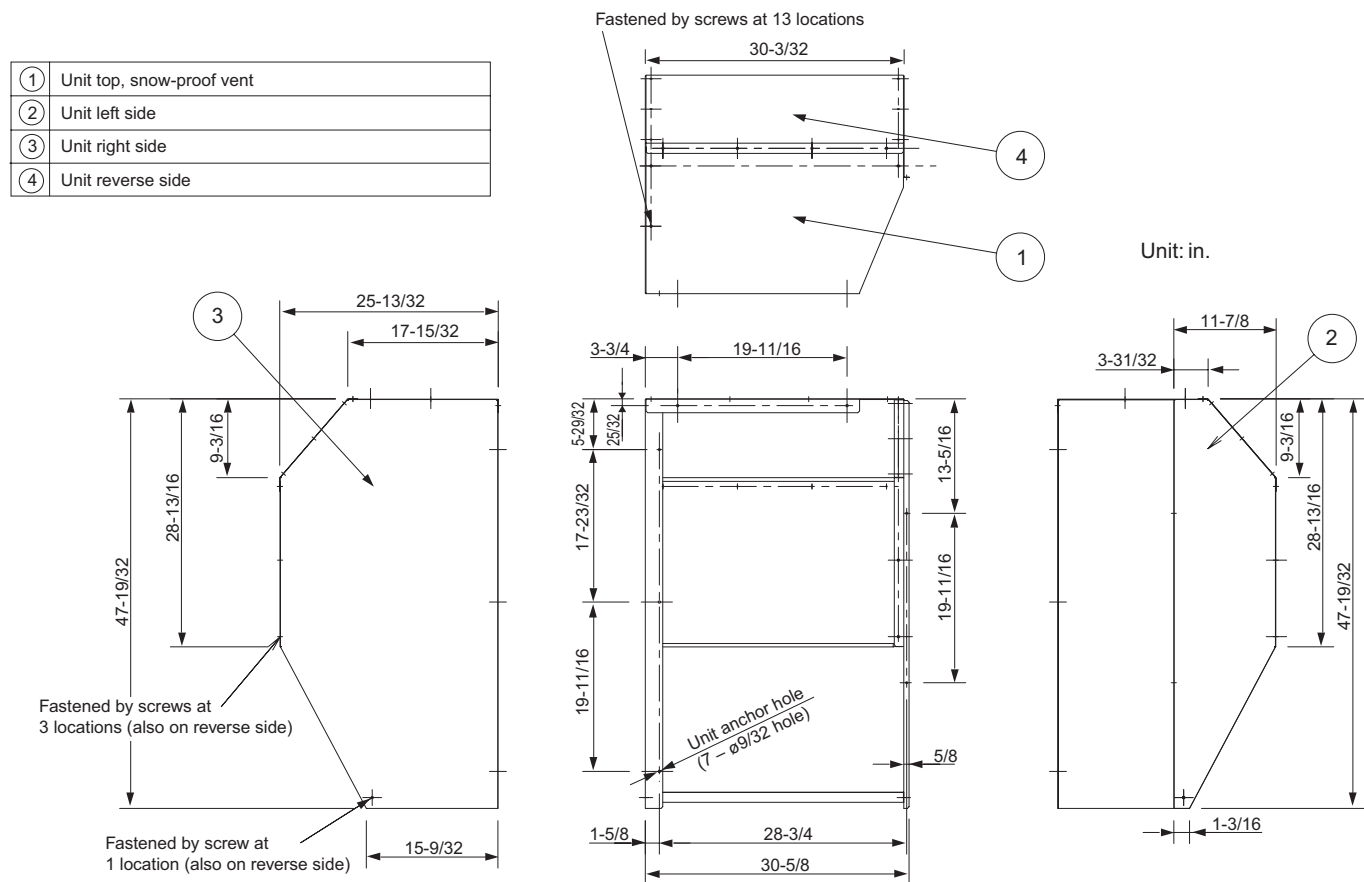
#### CAUTION

The front and both sides must remain open.

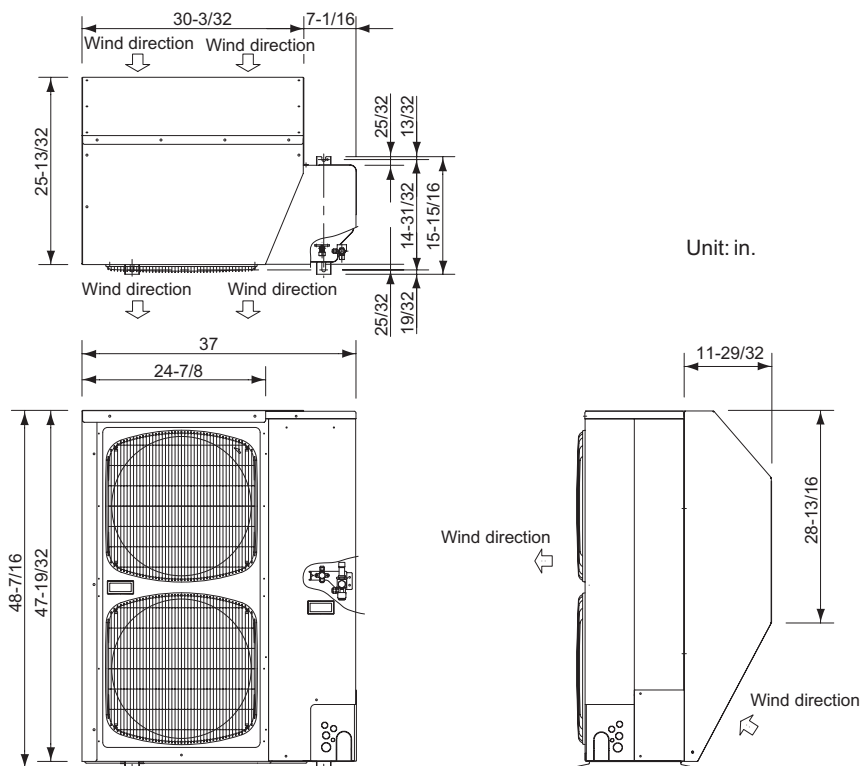
## 4. Installation Instructions

### 4-7. Dimensions of Snow Ducting

Reference diagram for snow-proof ducting (field supply)



### 4-8. Dimensions of Outdoor Unit with Snow-Proof Ducting (field supply)



## 4. Installation Instructions

### Reference diagram for snow-proof ducting – 1

### Space requirements for setting – (1)

[Obstacle to the rear of unit]

- Top is open:
  - (1) Single-unit installation
  - (2) Obstacles on both sides

(3) Multiple-unit installation (2 or more units)

A	B	C	D	E	F	G
5-29/32	5-29/32	11-13/16	7-7/8	11-13/16	5-29/32	7-7/8

**Note:** In cases 2 and 3 the height of the obstacle must be no taller than the height of the outdoor unit.

- Top is blocked by an obstacle:

K	L
19-11/16	5-29/32

[Obstacle to the front of unit]

- Top is open:
  - (1) Single-unit installation
  - (2) Multiple-unit installation (2 or more units)

(2) Multiple-unit installation (2 or more units)

H	I	J
19-11/16	11-13/16	39-3/8

- Top is blocked by an obstacle:

M	N
39-3/8	39-3/8

Unit: in.

## 4. Installation Instructions

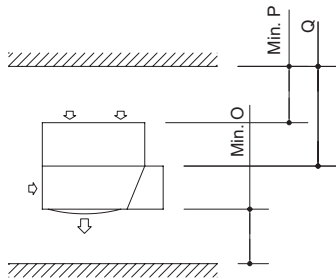
### Reference diagram for snow-proof ducting – 2

#### Space requirements for setting – (2)

##### [Obstacles to the front and rear of unit]

- The top and both sides must remain open. Either the obstacle to the front or the obstacle to the rear must be no taller than the height of the outdoor unit.

##### (1) Single-unit installation

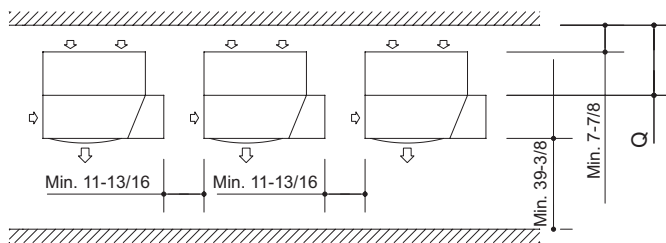


##### Dimension Q

If a snow protection duct is attached after the unit is installed, verify that dimension Q is 19-11/16" or more.

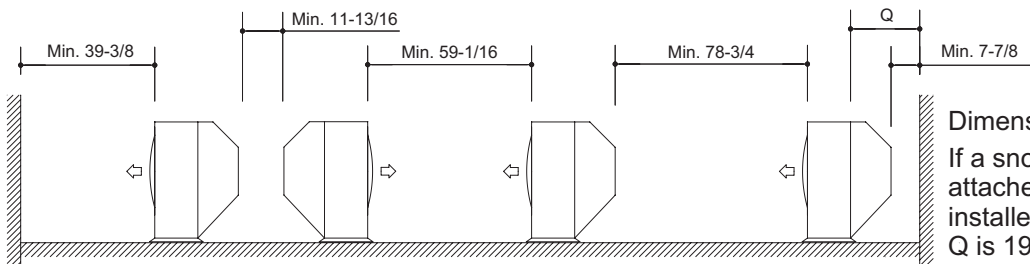
O	P
39-3/8	5-29/32

##### (2) Obstacles on both sides



##### [Installation in front-rear rows]

- The top and both sides must remain open. Either the obstacle to the front or the obstacle to the rear must be no taller than the height of the outdoor unit.



##### Dimension Q

If a snow protection duct is attached after the unit is installed, verify that dimension Q is 19-11/16" or more.

Unit:in.

## 4. Installation Instructions

### 4-9. Installing the Outdoor Unit

- Use concrete or a similar material to create the base, and ensure good drainage.
- Ordinarily, ensure a base height of 2" or more. If a drain pipe is used, or for use in cold-weather regions, ensure a height of 6" or more at the feet on both sides of the unit.  
(In this case, leave clearance below the unit for the drain pipe, and to prevent freezing of drainage water in cold-weather regions.)
- Refer to the Fig. 2-13 for the anchor bolt dimensions.
- Be sure to anchor the feet with the anchor bolts (M10 or 3/8"). In addition, use anchoring washers on the top side.  
(Use large square 1-1/4"×1-1/4" SUS washers with diameters of 3/8".) (Field supply)

### 4-10. Drainage Work

Follow the procedure below to ensure adequate draining for the outdoor unit.

- For the drain port dimensions, refer to the figure at right.
- Ensure a base height of 6" or more at the feet on both sides of the unit.

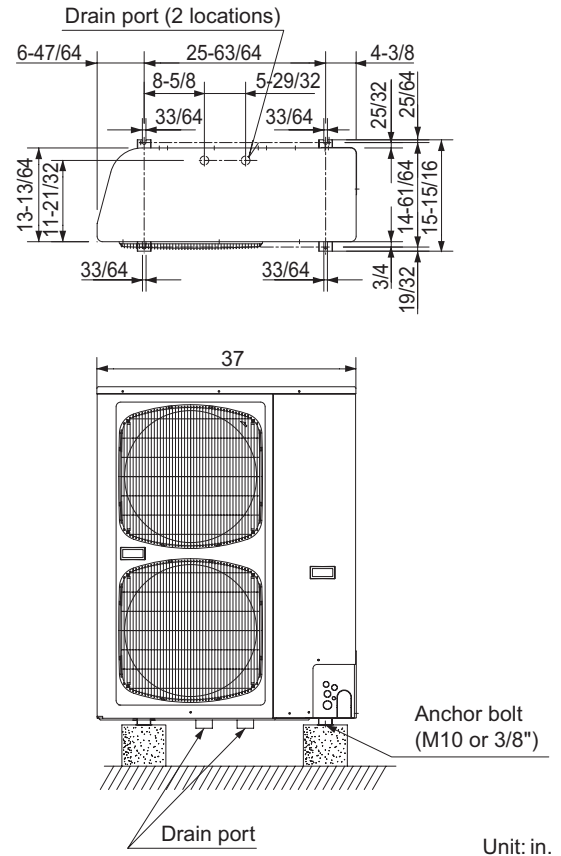
### 4-11. Routing the Tubing and Wiring

- The tubing and wiring can be extended out in 4 directions: front, rear, right, and down.
  - The service valves are housed inside the unit. To access them, remove the inspection panel. (To remove the inspection panel, remove the 3 screws, then slide the panel downward and pull it toward you.)
- (1) If the routing direction is through the front, rear, or right, use a nipper or similar tool to cut out the knockout holes for the inter-unit control wiring outlet, power wiring outlet, and tubing outlet from the appropriate covers A and B.
  - (2) If the routing direction is down, use a nipper or similar tool to cut out the lower flange from cover A.

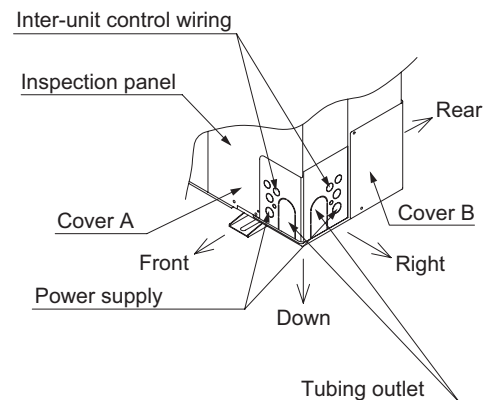


**CAUTION**

- **Route the tubing so that it does not contact the compressor, panel, or other parts inside the unit. Increased noise will result if the tubing contacts these parts.**
- **When routing the tubing, use a tube bender to bend the tubes.**



**Fig. 2-13**



**Fig. 2-14**

## 5. HOW TO PROCESS TUBING

### 5. HOW TO PROCESS TUBING

#### 5-1. Connecting the Refrigerant Tubing

##### Use of the Flaring Method

Many of conventional split system air conditioners employ the flaring method to connect refrigerant tubes which run between indoor and outdoor units. In this method, the copper tubes are flared at each end and connected with flare nuts.

##### Flaring Procedure with a Flare Tool

- (1) Cut the copper tube to the required length with a tube cutter. It is recommended to cut approx. 1 – 2 ft. longer than the tubing length you estimate.
- (2) Remove burrs at the end of the copper tube with a tube reamer or file. This process is important and should be done carefully to make a good flare. (Fig. 2-15)

##### NOTE

When reaming, hold the tube end downward and be sure that no copper scraps fall into the tube. (Fig. 2-16)

- (3) Remove the flare nut from the unit and be sure to mount it on the copper tube.
- (4) Make a flare at the end of copper tube with a flare tool. (Fig. 2-17)

##### NOTE

A good flare should have the following characteristics:

- inside surface is glossy and smooth
- edge is smooth
- tapered sides are of uniform length

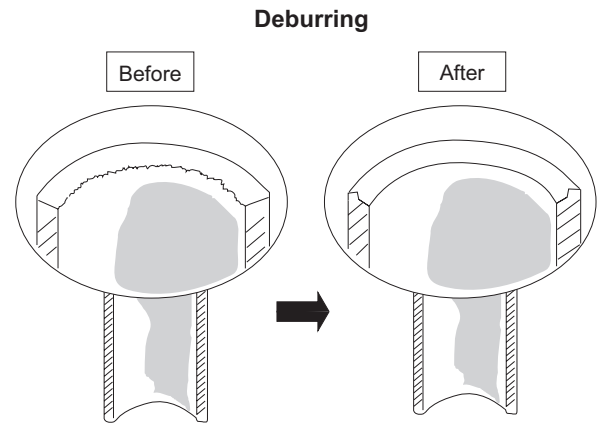


Fig. 2-15

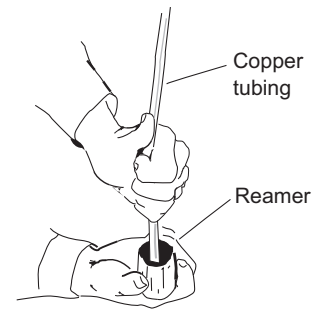


Fig. 2-16

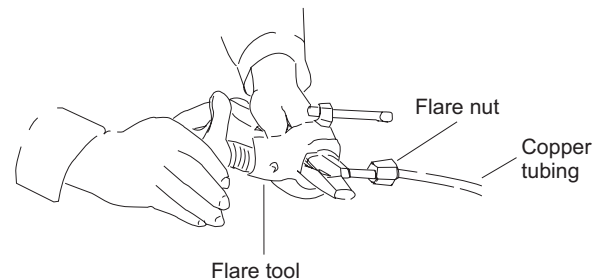


Fig. 2-17



## 5. HOW TO PROCESS TUBING

### Caution Before Connecting Tubes Tightly

- (1) Apply a sealing cap or water-proof tape to prevent dust or water from entering the tubes before they are used.
  - (2) Be sure to apply refrigerant lubricant to the matching surfaces of the flare and union before connecting them together. This is effective for reducing gas leaks. (Fig.2-18)
  - (3) For proper connection, align the union tube and flare tube straight with each other, then screw in the flare nut lightly at first to obtain a smooth match.(Fig.2-19)
- Adjust the shape of the liquid tube using a tube bender at the installation site and connect it to the liquid tubing side valve using a flare.

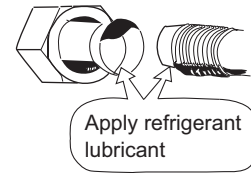


Fig. 2-18

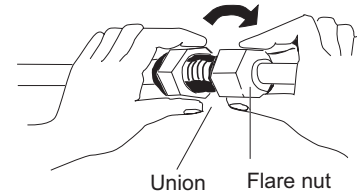


Fig. 2-19

### Cautions During Brazing

- Replace air inside the tube with nitrogen gas to prevent copper oxide film from forming during the brazing process. (Oxygen, carbon dioxide and Freon are not acceptable.)
- Do not allow the tubing to get too hot during brazing. The nitrogen gas inside the tubing may overheat, causing refrigerant system valves to become damaged. Therefore allow the tubing to cool when brazing.
- Use a reducing valve for the nitrogen cylinder.
- Do not use agents intended to prevent the formation of oxide film. These agents adversely affect the refrigerant and refrigerant oil, and may cause damage or malfunctions.

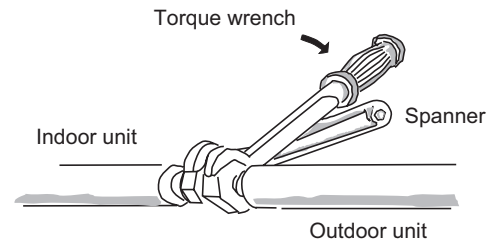


Fig. 2-20

### 5-2. Connecting Tubing Between Indoor and Outdoor Units

- (1) Tightly connect the indoor-side refrigerant tubing extended from the wall with the outdoor-side tubing.
  - (2) To fasten the flare nuts, apply specified torque as at right:
- When removing the flare nuts from the tubing connections, or when tightening them after connecting the tubing, be sure to use 2 adjustable wrenches or spanners as shown. (Fig. 2-20)  
If the flare nuts are over-tightened, the flare may be damaged, which could result refrigerant leakage and cause in injury or asphyxiation to room occupants.
  - For the flare nuts at tubing connections, be sure to use the flare nuts that were supplied with the unit, or else flare nuts for R410A (type 2). The refrigerant tubing that is used must be of the correct wall thickness as shown in the table at right.

Tube diameter	Tightening torque, approximate	Tube thickness
ø1/4" (ø6.35 mm)	120 – 160 lbs · in. (140 – 180 kgf · cm)	1/32" (0.8 mm)
ø3/8" (ø9.52 mm)	300 – 360 lbs · in. (340 – 420 kgf · cm)	1/32" (0.8 mm)
ø1/2" (ø12.7 mm)	430 – 480 lbs · in. (490 – 550 kgf · cm)	1/32" (0.8 mm)
ø5/8" (ø15.88 mm)	590 – 710 lbs · in. (680 – 820 kgf · cm)	5/128" (1.0 mm)
ø3/4" (ø19.05 mm)	870 – 1040 lbs · in. (1000 – 1200 kgf · cm)	over 5/128" (1.0 mm)

Because the pressure is approximately 1.6 times higher than conventional refrigerant pressure, the use of ordinary flare nuts (type 1) or thin-walled tubes may result in tube rupture, injury, or asphyxiation caused by refrigerant leakage.

- In order to prevent damage to the flare caused by over-tightening of the flare nuts, use the table above as a guide when tightening.
- When tightening the flare nut on the liquid tube, use an adjustable wrench with a nominal handle length of 7-7/8".

## 5. HOW TO PROCESS TUBING

### 5-3. Insulating the Refrigerant Tubing

#### Tubing Insulation

- Thermal insulation must be applied to all unit tubing, including distribution joint (purchased separately).
  - \* For gas tubing, the insulation material must be heat resistant to 248°F or above. For other tubing, it must be heat resistant to 176°F or above.
- Insulation material thickness must be 25/64" or greater. If the conditions inside the ceiling exceed DB 86°F and RH 70%, increase the thickness of the gas tubing insulation material by 1 step.

#### Taping the flare nuts

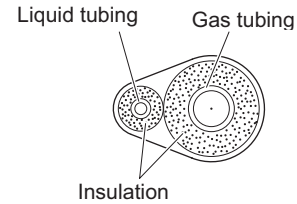


#### CAUTION

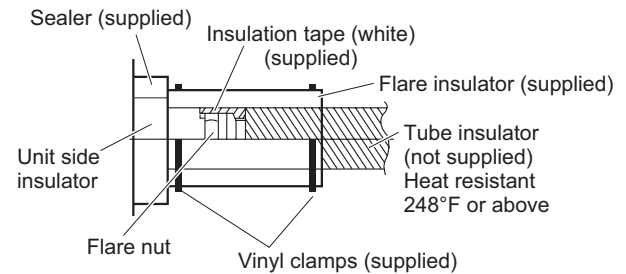
**If the exterior of the outdoor unit valves has been finished with a square duct covering, make sure you allow sufficient space to use the valves and to allow the panels to be attached and removed.**

Wind the white insulation tape around the flare nuts at the gas tube connections. Then cover up the tubing connections with the flare insulator, and fill the gap at the union with the supplied black insulation tape. Finally, fasten the insulator at both ends with the supplied vinyl clamps. (Fig.2-22)

#### Two tubes arranged together



**Fig. 2-21**



**Fig. 2-22**

## 5. HOW TO PROCESS TUBING

### 5-4. Taping the Tubes

- (1) At this time, the refrigerant tubes (and electrical wiring if local codes permit) should be taped together with armoring tape in 1 bundle. To prevent the condensation from overflowing the drain pan, keep the drain hose separate from the refrigerant tubing.
- (2) Wrap the armoring tape from the bottom of the outdoor unit to the top of the tubing where it enters the wall. As you wrap the tubing, overlap half of each previous tape turn.
- (3) Clamp the tubing bundle to the wall, using 1 clamp approx. each ft. (Fig.2-23)

#### NOTE

Do not wind the armoring tape too tightly since this will decrease the heat insulation effect. Also ensure that the condensation drain hose splits away from the bundle and drips clear of the unit and the tubing.

### 5-5. Finishing the Installation

After finishing insulating and taping over the tubing, use sealing putty to seal off the hole in the wall to prevent rain and draft from entering. (Fig.2-24)

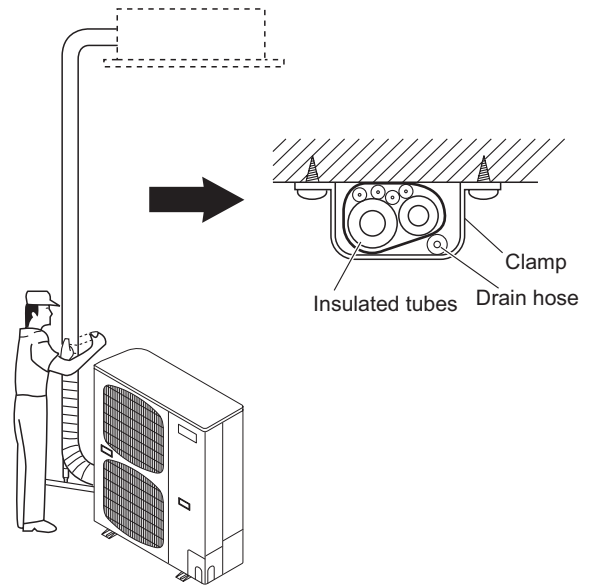


Fig. 2-23

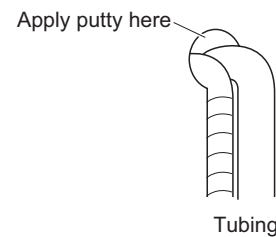


Fig. 2-24

## 6. AIR PURGING

### 6. AIR PURGING

Air and moisture in the refrigerant system may have undesirable effects as indicated below.

- pressure in the system rises
- operating current rises
- cooling (or heating) efficiency drops
- moisture in the refrigerant circuit may freeze and block capillary tubing
- water may lead to corrosion of parts in the refrigerant system

Therefore, the indoor unit and tubing between the indoor and outdoor unit must be leak tested and evacuated to remove any noncondensables and moisture from the system.

#### ■ Air Purging with a Vacuum Pump (for Test Run) Preparation

Check that each tube (both liquid and gas tubes) between the indoor and outdoor units has been properly connected and all wiring for the test run has been completed. Remove the valve caps from both the gas tube and liquid tube service valves on the outdoor unit. Note that both liquid and gas tube service valves on the outdoor unit are kept closed at this stage.

#### Leak test

- (1) Attach a manifold valve (with pressure gauges) and dry nitrogen gas cylinder to this service port with charge hoses.



#### CAUTION

**Use a manifold valve for air purging. If it is not available, use a stop valve for this purpose. The “Hi” knob of the manifold valve must always be kept closed.**

- (2) Pressurize the system to no more than 512 psig (36 kgf/cm<sup>2</sup>G) with dry nitrogen gas and close the cylinder valve when the gauge reading reaches 512 psig (36 kgf/cm<sup>2</sup>G). Then, test for leaks with liquid soap.



#### CAUTION

**To avoid nitrogen entering the refrigerant system in a liquid state, the top of the cylinder must be higher than the bottom when you pressurize the system. Usually, the cylinder is used in a vertical standing position. (Refer to the previous page.)**

Manifold gauge

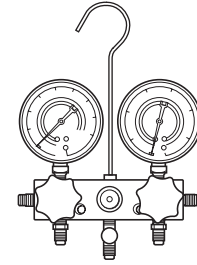


Fig.2-25

Vacuum pump

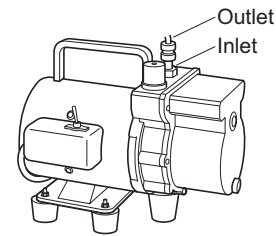


Fig.2-26

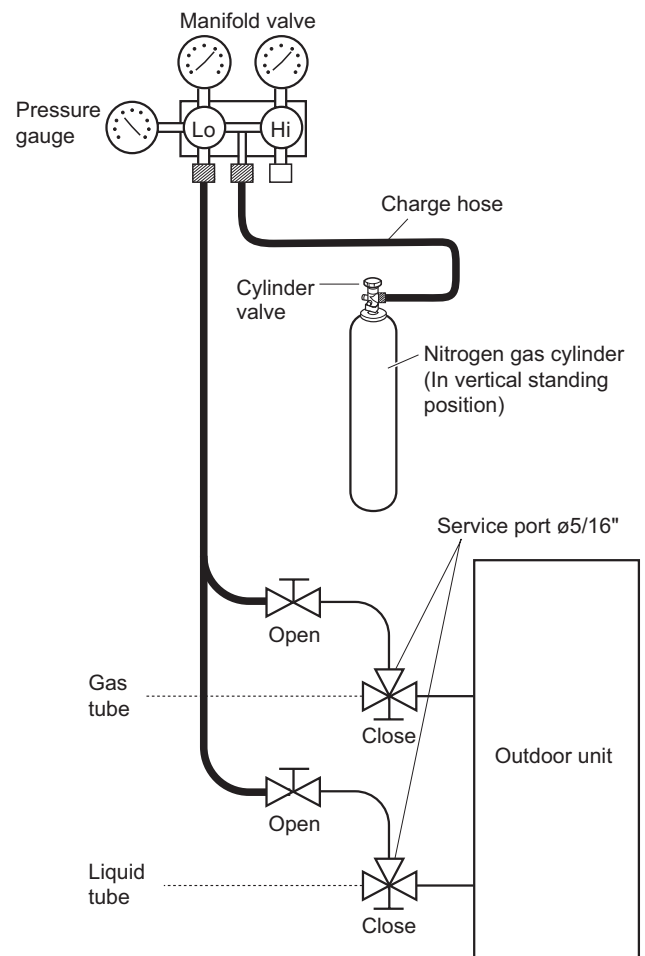


Fig.2-27

## 6. AIR PURGING

- (3) Do a leak test of all joints of the tubing (both indoor and outdoor) and both gas tube and liquid tube service valves. Bubbles indicate a leak. Wipe off the soap with a clean cloth after the leak test.
- (4) After the system is found to be free of leaks, relieve the nitrogen pressure by loosening the charge hose connector at the nitrogen cylinder. When the system pressure is reduced to normal, disconnect the hose from the cylinder.

### Evacuation

- (1) Attach the charge hose end described in the preceding steps to the vacuum pump to evacuate the tubing and indoor unit. Confirm that the “Lo” knob of the manifold valve is open. Then, run the vacuum pump. The operation time for evacuation varies with the tubing length and capacity of the pump. The following table shows the amount of time for evacuation:

Required time for evacuation when 30 gal/h vacuum pump is used	
If tubing length is less than 49 ft.	If tubing length is longer than 49 ft.
<b>45 min. or more</b>	<b>90 min. or more</b>

#### NOTE

The required time in the above table is calculated based on the assumption that the ideal (or target) vacuum condition is less than  $-14.7$  psig ( $-755$  mmHg, 5 Torr).

- (2) When the desired vacuum is reached, close the “Lo” knob of the manifold valve and turn off the vacuum pump. Confirm that the gauge pressure is under  $-14.7$  psig ( $-755$  mmHg, 5 Torr) after 4 to 5 minutes of vacuum pump operation.

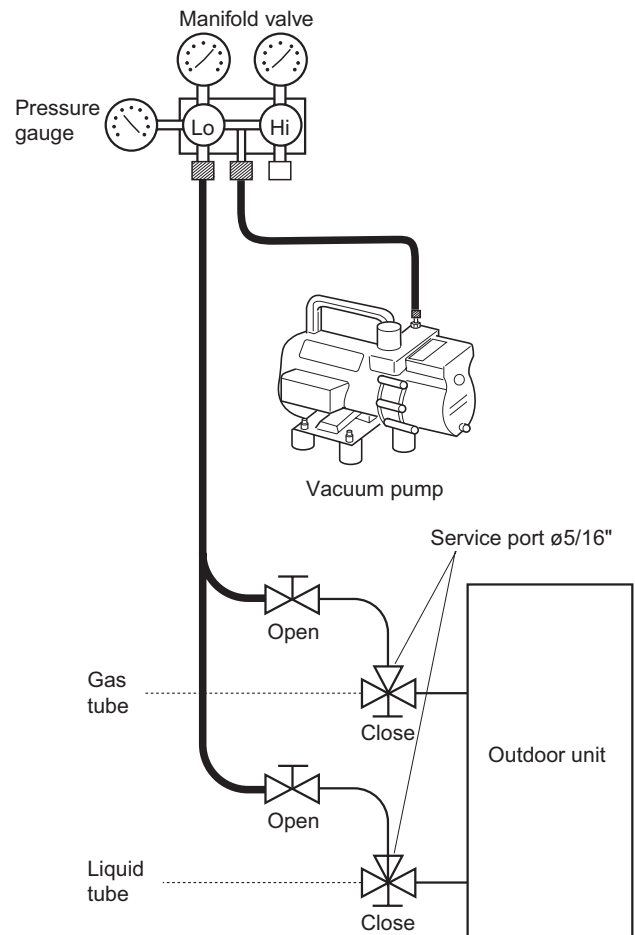


Fig. 2-28

## 6. AIR PURGING


**CAUTION**

Use a cylinder designed for use with R410A.

### Charging additional refrigerant

- Charging additional refrigerant (calculated from the liquid tube length as shown in Section 2-7 “Additional Refrigerant Charge”) using the liquid tube service valve. (Fig. 2-29)
- Use a balance to measure the refrigerant accurately.
- If the additional refrigerant charge amount cannot be charged at once, charge the remaining refrigerant in liquid form by using the gas tube service valve with the system in cooling operation mode at the time of test run. (Fig. 2-30)

### Finishing the job

- (1) With a hex wrench, turn the liquid tube service valve stem counter-clockwise to fully open the valve.
- (2) Turn the gas tube service valve stem counter-clockwise to fully open the valve.


**CAUTION**

To avoid gas from leaking when removing the charge hose, make sure the stem of the gas tube is turned all the way out (“BACK SEAT” position).

- (3) Loosen the charge hose connected to the gas tube service port (for  $\varnothing 5/16$ " tube) slightly to release the pressure, then remove the hose.
- (4) Replace the service port cap on the gas tube service port and fasten the cap securely with an adjustable wrench or box wrench. This process is very important to prevent gas from leaking from the system.
- (5) Replace the valve caps at both gas tube and liquid tube service valves and fasten them securely.

This completes air purging with a vacuum pump. The air conditioner is now ready for a test run.

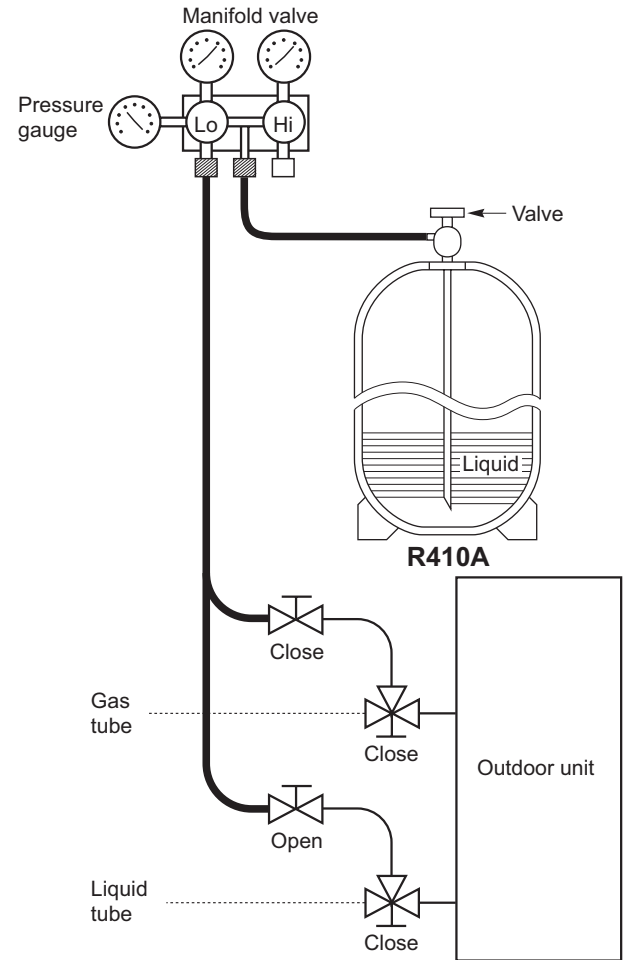


Fig. 2-29

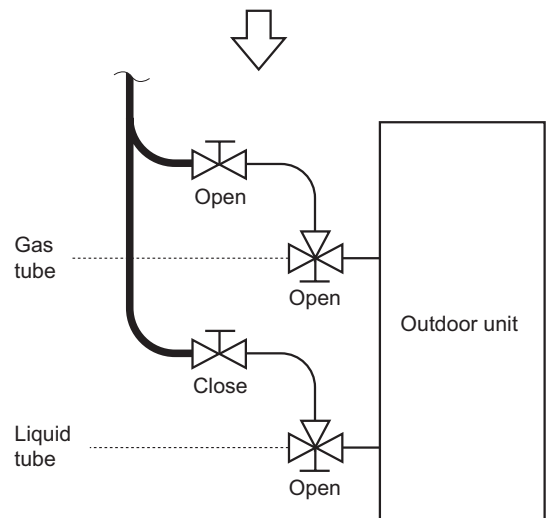


Fig. 2-30

## 7. Optional Parts

### 7-1. Distribution Joint Kits

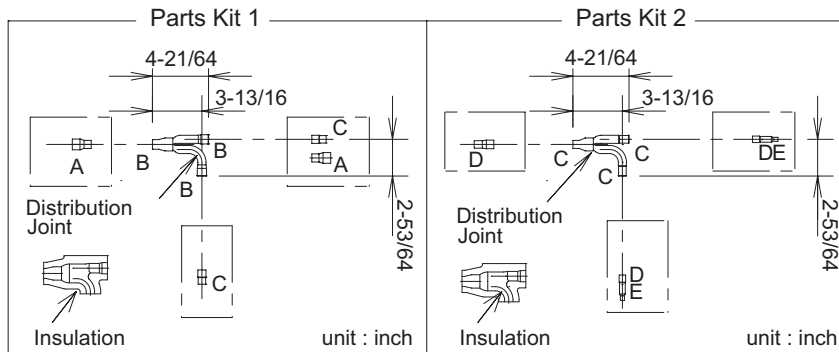
#### ■ CZ-P160BK1U (for R410A)

#### How to Attach Distribution Joint

##### 1. Accompanying Parts

Check the contents of your distribution joint kit.

##### 2. Distribution Joint Kits (with insulation)



- Size of connection point on each part (Shown are inside diameters of tubing)

Size	mm	Inch
Part A	ø19.05	3/4
Part B	ø15.88	5/8
Part C	ø12.7	1/2
Part D	ø9.52	3/8
Part E	ø6.35	1/4

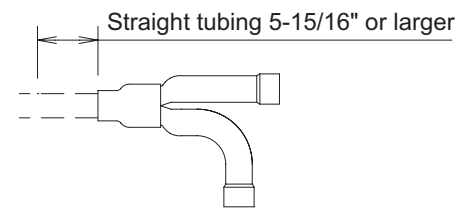


Fig. 2-31

##### 3. Making Branch Connections

- For branching tubes, install 5-15/16" or larger (including reducer) straight tubing up to the point where the tube branches (or after the point where the tubes join together). (Fig. 2-31)
- Using a tube cutter, cut the joints at the diameter required to match the outside diameter of the tubing you are connecting. (This is usually done at the installation site.)

The tube diameter depends on the total capacity of the indoor unit. Note that you do not have to cut the joints if it already matches the tubing end size. For size selection of the tube diameter, refer to the installation instructions provided with the outdoor unit.

#### NOTE

Avoid forceful cutting that may harm the shape of the joints or tubing. (Inserting the tubing will not be possible if the tube shape is not proper.)

- Cut off as far away from stopper as possible. (Fig. 2-32)
- After cutting the joints, be sure to remove burrs on the inside of the joints. (If the joints have been squashed or dented badly, reshaped them using a tube spreader.)
- Make sure there is no dirt or other foreign substances inside the distribution joint.
- The distribution joint can be either horizontal or vertical. (Fig. 2-33)  
In the case of horizontal, the L-shaped tubing must be slanted slightly upward (15° to 30°).
- When brazing a pipe E to the reducer of which middle pipe inner dimension is D as shown above chart, cut the middle pipe as long as possible so that the pipe E can be inserted.
- When brazing, replace air inside the tube with nitrogen gas to prevent copper oxide from forming.
- To insulate the distribution joint, use the supplied tubing insulation. (If using insulation other than that supplied, make sure that its heat resistance is 248 °F or higher.)
- For additional details, refer to the installation instructions provided with the outdoor unit.

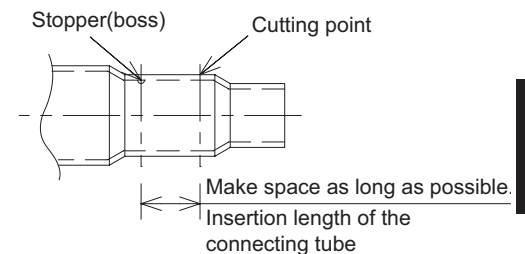
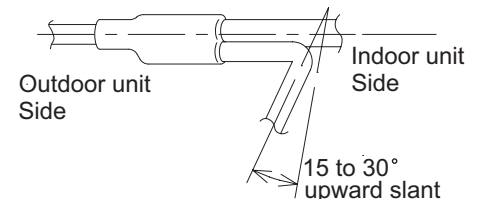
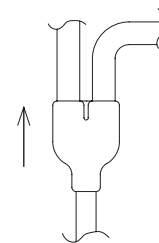


Fig. 2-32



In case of horizontal position



In case of vertical position  
(directed upward)

Fig. 2-33





### **3. CONTROL OF MINI VRF SYSTEM**

- 1. Main Operating Functions**
- 2. Wireless Remote Controller**
- 3. Timer Remote Controller**
- 4. Simplified Remote Controller**
- 5. System Controller**
- 6. Schedule Timer**
- 7. Intelligent Controller (CZ-256ESMC1U)**
- 8. Communication Adaptor (CZ-CFUNC1U)**
- 9. Remote Sensor**
- 10. LonWorks Interface (CZ-CLNC1U)**
  - \* Refer to the 2WAY VRF SYSTEM TECHNICAL DATA (TD831157)



**4. MINI VRF SYSTEM UNIT SPECIFICATIONS**

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* Refer to the 2WAY VRF SYSTEM TECHNICAL DATA (TD831157)	

# 1. Outdoor Unit

## 1-1. Specifications

### Unit specifications (A)

MODEL No.		Outdoor Unit		U-36LE1U6, U-36LE1U6E* <sup>1</sup>			
POWER SOURCE				208 - 230 V / 1ø / 60 Hz			
PERFORMANCE				Cooling		Heating	
	Capacity	BTU / h	38,200		42,700		
		kW	11.2		12.5		
	Air circulation (Hi)	CFM	3,530				
ELECTRICAL RATINGS							
	Voltage rating	V	208	230	208	230	
	Available voltage range	V	187 - 253		187 - 253		
	Running amperes	A	14.6	13.6	14.6	13.6	
	Max. running amperes *	A	23.6	23.6	–	–	
	Power input	kW	2.76	2.76	2.88	2.88	
	Max. power input	kW	4.85	4.85	–	–	
	Power factor	%	91	88	95	92	
	Max. starting amperes	A	Approx. 1	Approx. 1	Approx. 1	Approx. 1	
FEATURES							
	Controls		Microprocessor				
	Defrost control		Reverse cycle, microprocessor control				
	Service function		Sensor temp. recall function Past service warnings recall function				
	Refrigerant amount at shipment	lbs. (kg)	R410A - 7.7 (3.5)				
Refrigerant control			Electronic expansion valve				
Operation sound (Hi)	Power level	dB-A	67				
	Pressure level		51				
External finish			Galvanized steel plate with powder paint				
Color (Approximate value)			Munsell code 1Y 8.5 / 0.5				
Refrigerant tubing							
	Limit of tubing length		ft. (m)	492 (150)			
	Limit of elevation difference between the 2 units		ft. (m)	Outdoor unit is higher than indoor unit : 164 (50) Outdoor unit is lower than indoor unit : 131 (40)			
	Refrigerant tube diameter	Liquid tube	in. (mm)	3/8 (9.52)			
		Gas tube	in. (mm)	5/8 (15.88)			
	Refrigerant tubing kit / Joint kit			Optional			
DIMENSIONS & WEIGHT				Unit dimensions		Package dimensions	
	Unit dimensions	Height	in. (mm)	48-7/16 (1230)		52-13/32 (1331)	
		Width	in. (mm)	37 (940)		40 (1016)	
		Depth	in. (mm)	13-13/32 (340)		16-11/32 (415)	
Net weight			lbs. (kg)	229 (104)			
Shipping weight			lbs. (kg)	247 (112)			
Shipping volume			ft³ (m³)	19.8 (0.56)			

Rated conditions

Cooling : Indoor air temperature 80°F DB / 67°F WB ; Outdoor air temperature 95°F DB

Heating : Indoor air temperature 70°F DB ; Outdoor air temperature 47°F DB / 43°F WB

\* Full-load conditions at Indoor / Outdoor capacity ratio 100%

Cooling : Indoor air temperature 89°F DB / 73°F WB ; Outdoor air temperature 109°F DB / 78°F WB

\*<sup>1</sup> Outdoor unit model name ended with letter "E"

Refer to the Section 1 "2. Salt-Air Damage Resistant Specifications".

DATA SUBJECT TO CHANGE WITHOUT NOTICE

# 1. Outdoor Unit

## Unit specifications (B)

MODEL No.		Outdoor Unit		U-52LE1U6, U-52LE1U6E* <sup>1</sup>			
POWER SOURCE				208 - 230 V / 1ø / 60 Hz			
PERFORMANCE				Cooling		Heating	
	Capacity	BTU / h	52,900		60,000		
		kW	15.5		17.6		
	Air circulation (Hi)	CFM	3,530				
ELECTRICAL RATINGS							
	Voltage rating	V	208	230	208	230	
	Available voltage range	V	187 - 253		187 - 253		
	Running amperes	A	23.5	21.9	23.5	21.9	
	Max. running amperes *	A	28.0	28.0	–	–	
	Power input	kW	4.57	4.57	4.58	4.58	
	Max. power input	kW	5.72	5.72	–	–	
	Power factor	%	93	91	94	91	
	Max. starting amperes	A	Approx. 1	Approx. 1	Approx. 1	Approx. 1	
FEATURES							
	Controls		Microprocessor				
	Defrost control		Reverse cycle, microprocessor control				
	Service function		Sensor temp. recall function Past service warnings recall function				
	Refrigerant amount at shipment	lbs. (kg)	R410A - 7.7 (3.5)				
Refrigerant control			Electronic expansion valve				
Operation sound (Hi)	Power level	dB-A	68				
	Pressure level		52				
External finish			Galvanized steel plate with powder paint				
Color (Approximate value)			Munsell code 1Y 8.5 /0.5				
Refrigerant tubing							
	Limit of tubing length		ft. (m)	492 (150)			
	Limit of elevation difference between the 2 units		ft. (m)	Outdoor unit is higher than indoor unit : 164 (50) Outdoor unit is lower than indoor unit : 131 (40)			
	Refrigerant tube diameter	Liquid tube	in. (mm)	3/8 (9.52)			
		Gas tube	in. (mm)	3/4 (19.05)			
	Refrigerant tubing kit / Joint kit			Optional			
DIMENSIONS & WEIGHT				Unit dimensions		Package dimensions	
	Unit dimensions	Height	in. (mm)	48-7/16 (1230)		52-13/32 (1331)	
		Width	in. (mm)	37 (940)		40 (1016)	
		Depth	in. (mm)	13-13/32 (340)		16-11/32 (415)	
	Net weight		lbs. (kg)	229 (104)			
	Shipping weight		lbs. (kg)	247 (112)			
	Shipping volume		ft³ (m³)	19.8 (0.56)			

Rated conditions

Cooling : Indoor air temperature 80°F DB / 67°F WB ; Outdoor air temperature 95°F DB

Heating : Indoor air temperature 70°F DB ; Outdoor air temperature 47°F DB / 43°F WB

\* Full-load conditions at Indoor / Outdoor capacity ratio 100%

Cooling : Indoor air temperature 89°F DB / 73°F WB ; Outdoor air temperature 109°F DB / 78°F WB

\*<sup>1</sup> Outdoor unit model name ended with letter "E"

Refer to the Section 1 "2. Salt-Air Damage Resistant Specifications".

DATA SUBJECT TO CHANGE WITHOUT NOTICE

# 1. Outdoor Unit

## 1-2. AHRI Registration Values

Outdoor Unit Models	Indoor Unit Types	Cooling Capacity	EER	SEER	Heating Capacity	HSPF
		BTU/h	95°F		BTU/h	
U-36LE1U6(E)	Ducted	37,000	9.60	13.1	38,500	7.8
	Non Ducted	39,000	11.50	17.0	43,000	9.8
	Mixed Non-Ducted and Ducted	38,000	10.55	15.05	40,750	8.8
U-52LE1U6(E)	Ducted	51,500	9.40	14.6	57,500	7.7
	Non Ducted	52,000	10.20	17.4	58,500	9.6
	Mixed Non-Ducted and Ducted	51,750	9.80	16.0	58,000	8.65

# 1. Outdoor Unit

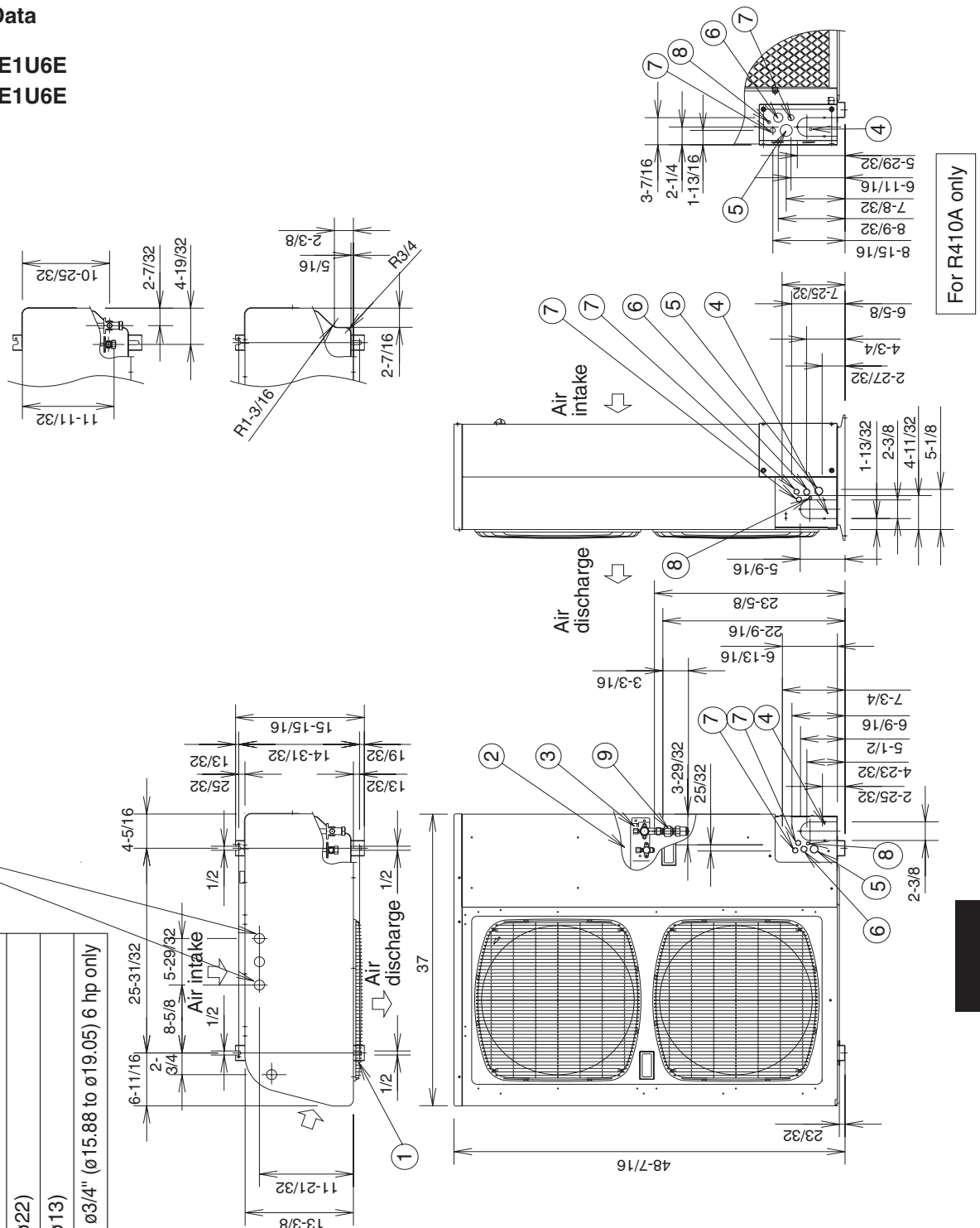
## 1-3. Dimensional Data

U-36LE1U6, U-36LE1U6E

U-52LE1U6, U-52LE1U6E

①	Installation anchoring hole (4-R6.5 or R1/4"), anchor bolt: M10 or 13/32"
②	Refrigerant tubing (liquid tube), flared connection $\phi 3/8"$ ( $\phi 9.52$ )
③	Refrigerant tubing (gas tube), flared connection $\phi 5/8"$ ( $\phi 15.88$ )
④	Refrigerant tubing port
⑤	Electrical wiring port $\phi 1-3/8"$ ( $\phi 35$ )
⑥	Electrical wiring port $\phi 1-7/64"$ ( $\phi 28$ )
⑦	Electrical wiring port $\phi 55/64"$ ( $\phi 22$ )
⑧	Electrical wiring port $\phi 33/64"$ ( $\phi 13$ )
⑨	Auxiliary connection tube $\phi 5/8"$ to $\phi 3/4"$ ( $\phi 15.88$ to $\phi 19.05$ ) 6 hp only

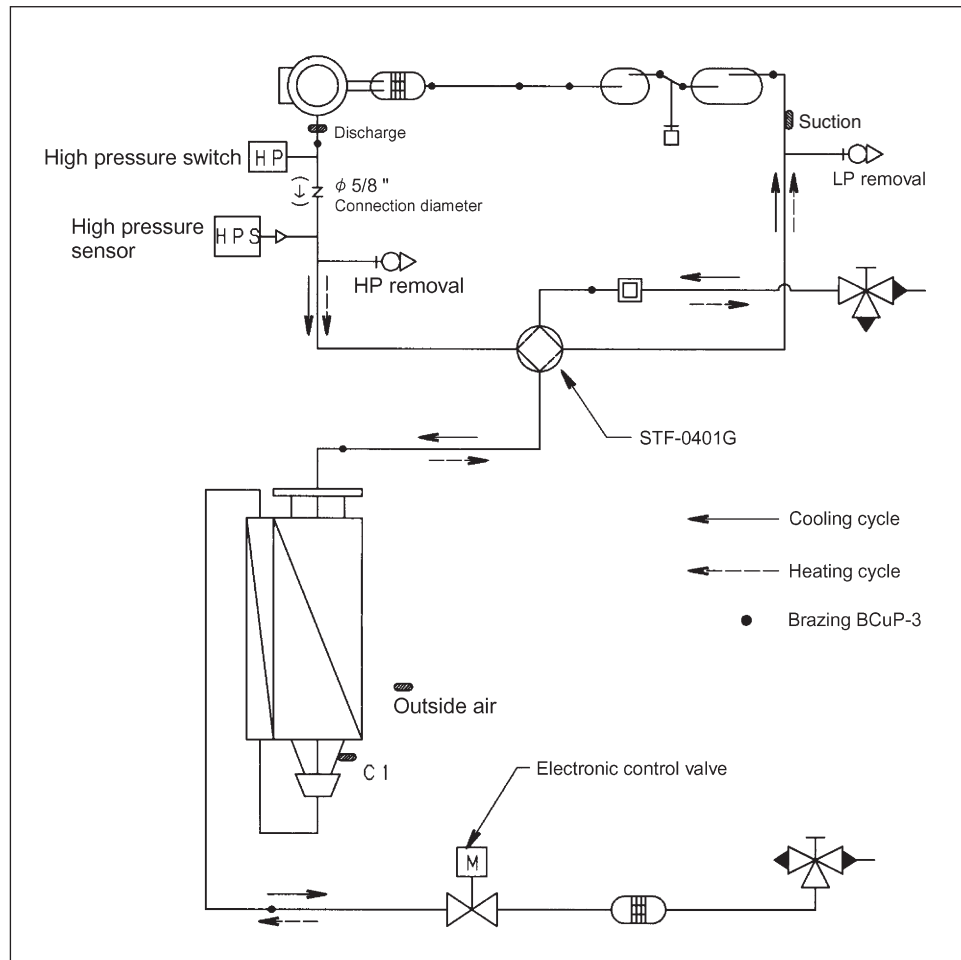
2 x  $\phi 32$  or  $\phi 1/4"$  holes (holes for drain)  
Of the 4  $\phi 32$  or  $\phi 1/4"$  holes, use 1 of the 2 holes specified for drain use to install the drain port.  
Use rubber plugs to seal the remaining 3 holes.



Unit: inch

## 1-4. Refrigerant Flow Diagram

U-36LE1U6  
U-36LE1U6E  
U-52LE1U6  
U-52LE1U6E



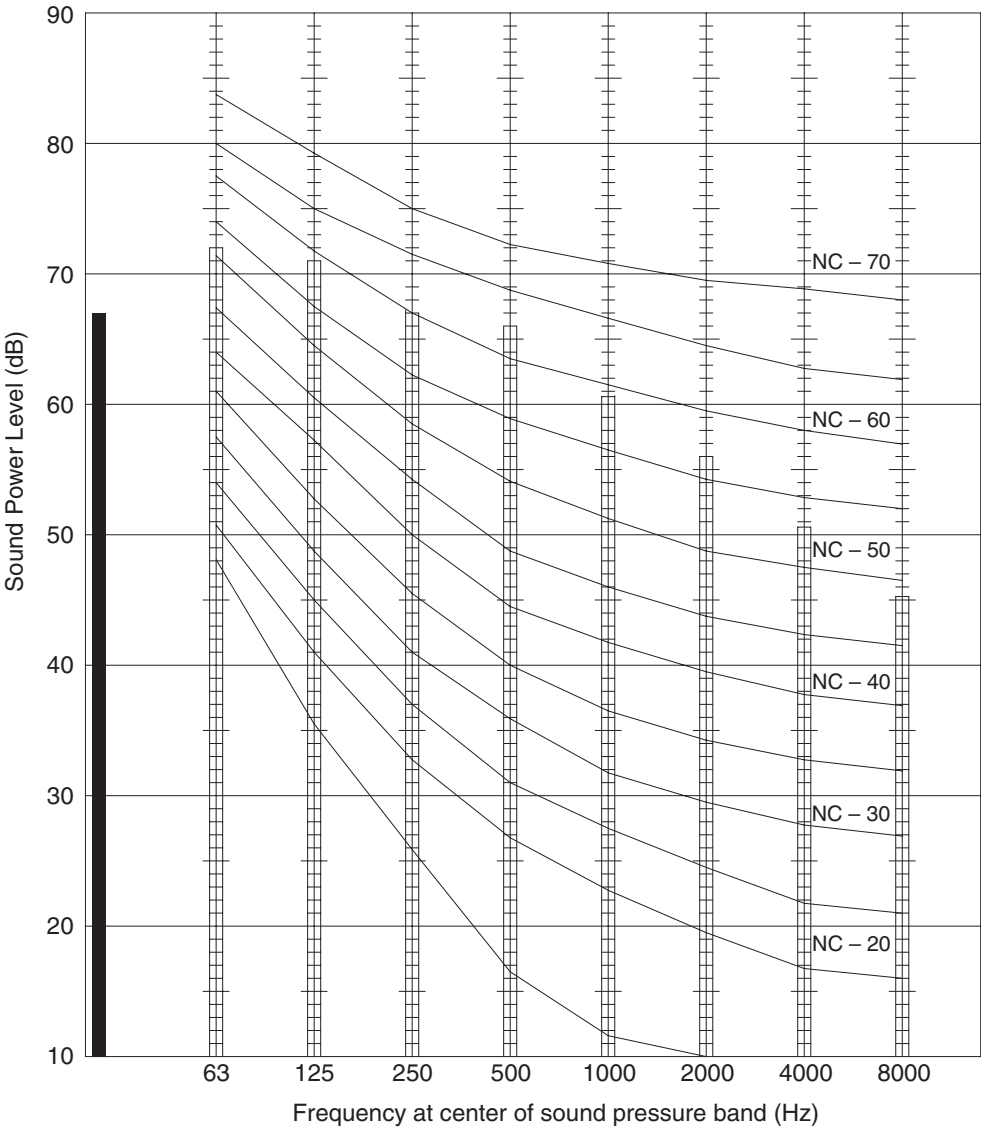


1-5. Sound Data

(1) Sound Power Level

U-36LE1U6, U-36LE1U6E

Model	U-36LE1U6, U-36LE1U6E
Sound Power Level	67 dB (A) Cooling
Condition	

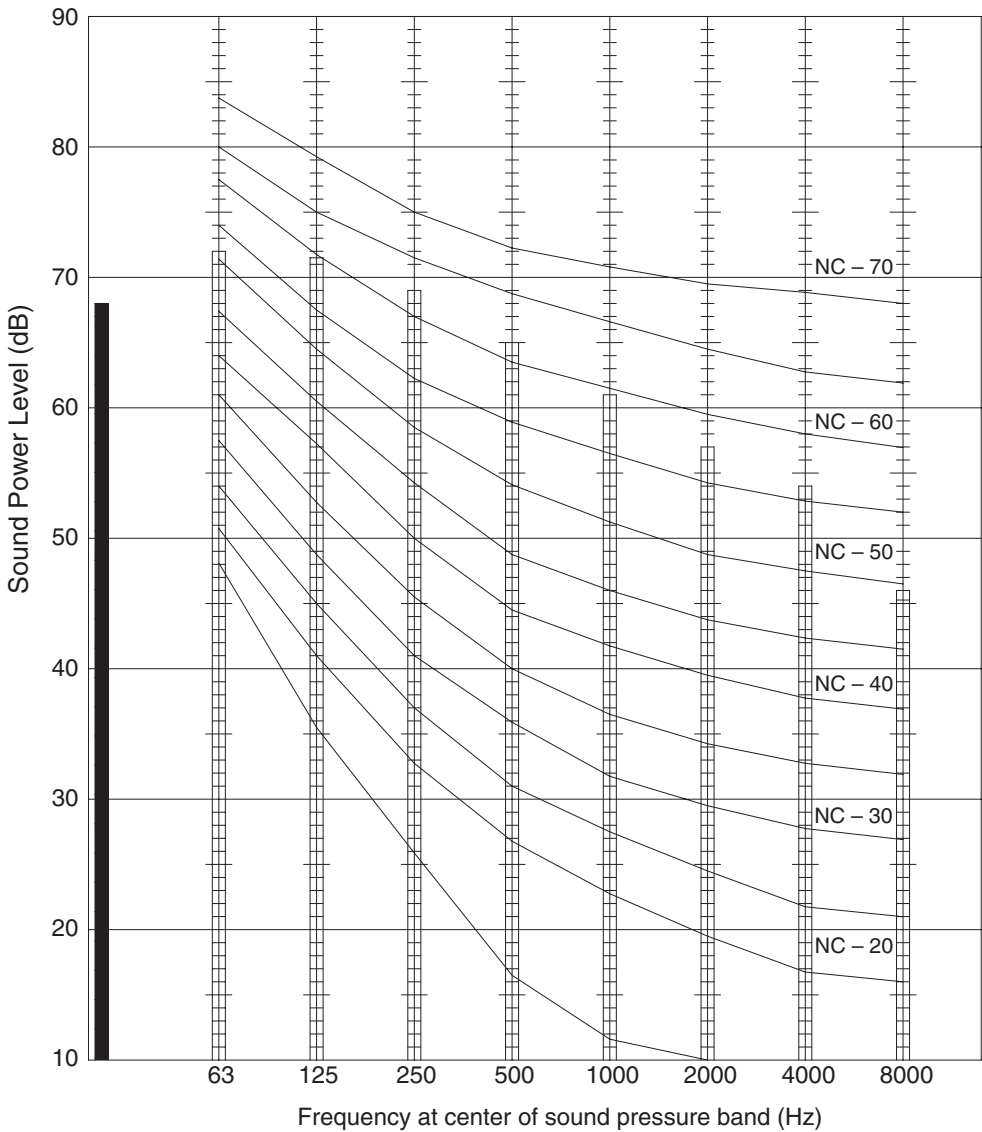


**NOTE**

1. dBA = A – weighted sound power level (A – scale according to IEC)
2. Reference acoustic intensity 0 dB =  $10^{-13}$  W/ft<sup>2</sup>

U-52LE1U6, U-52LE1U6E

Model	U-52LE1U6, U-52LE1U6E
Sound Power Level	68 dB (A) Cooling
Condition	



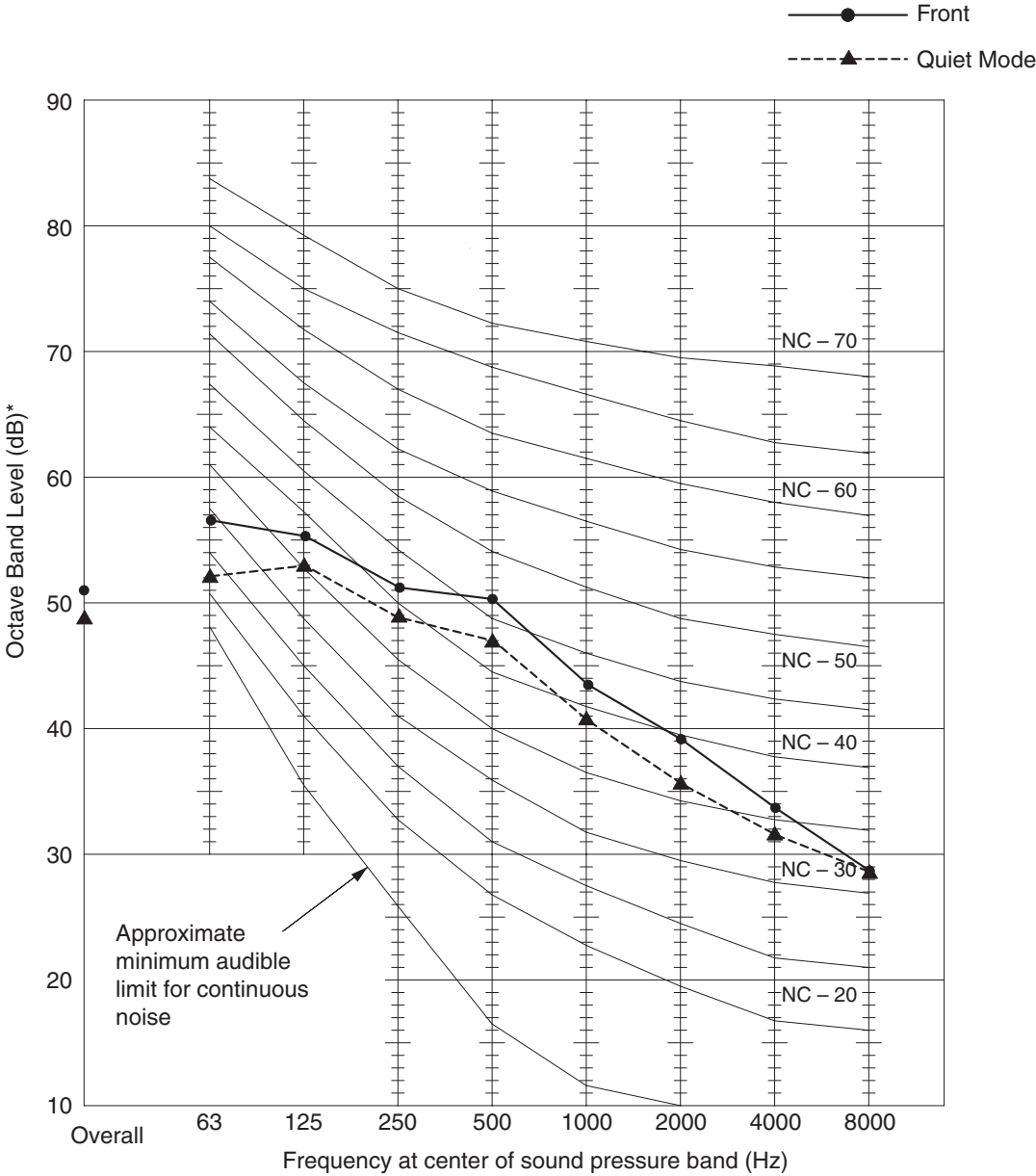
**NOTE**

- 1. dBA = A – weighted sound power level (A – scale according to IEC)
- 2. Reference acoustic intensity 0 dB =  $10^{-13}$  W/ft<sup>2</sup>

(2) Sound Pressure Level

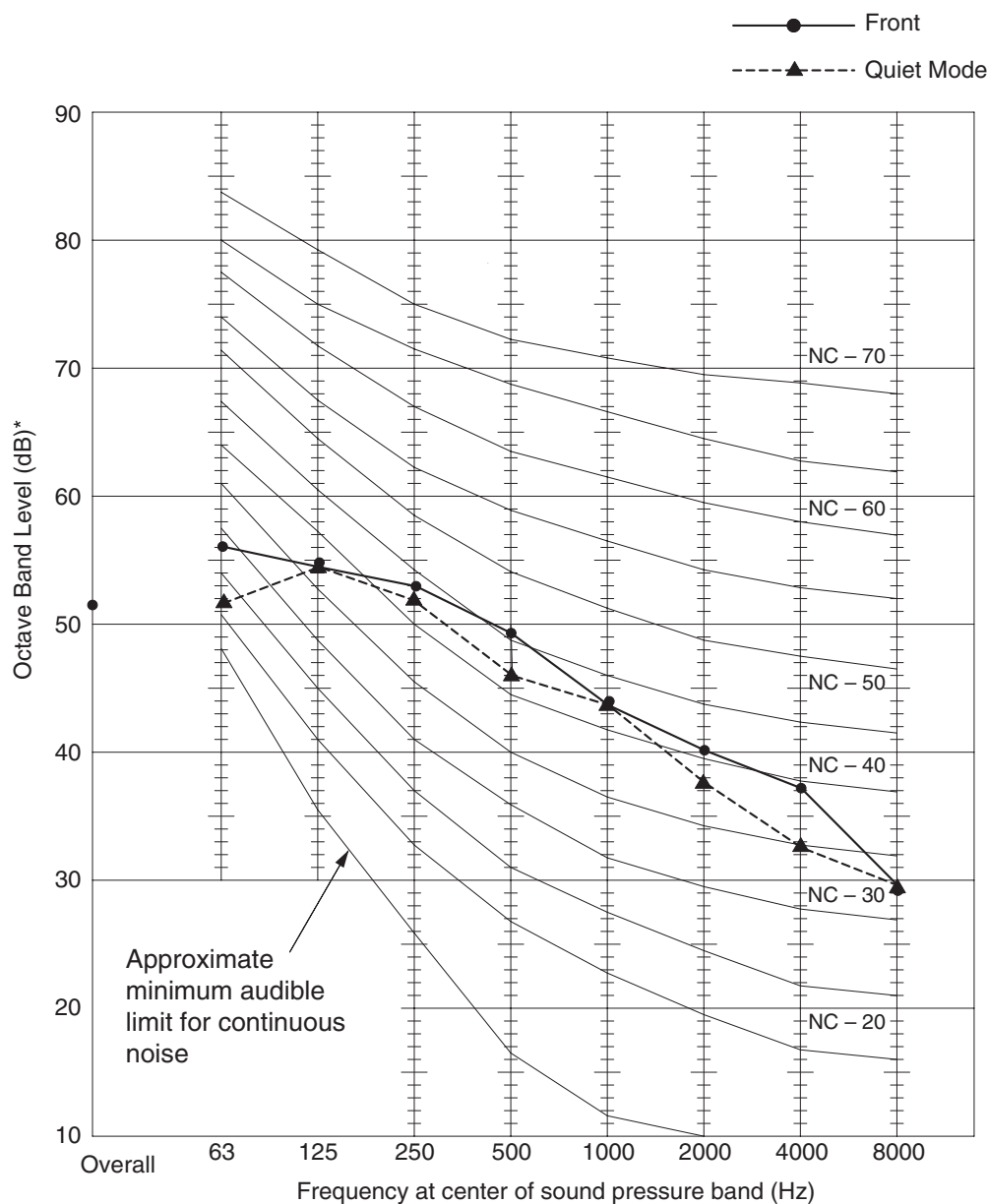
U-36LE1U6, U-36LE1U6E

Model	U-36LE1U6, U-36LE1U6E	
Sound Pressure Level	Front	51 dB (A)
Cooling	Quiet Mode	48 dB (A)
Condition	3.3 ft. in front at height of 4.9 ft.	



U-52LE1U6, U-52LE1U6E

Model	U-52LE1U6, U-52LE1U6E	
Sound Pressure Level Cooling	Front	52 dB (A)
	Quiet Mode	49 dB (A)
Condition	3.3 ft. in front at height of 4.9 ft.	



\* 0 dB = 0.0002  $\mu$ bar

5. TEST RUN

1. Preparing for Test Run ..... 5-2

2. Test Run Procedure ..... 5-3

3. Outdoor Unit PCB Setting..... 5-4

4. Auto Address Setting ..... 5-6

5. Remote Controller Test Run Settings ..... 5-12

6. Caution for Pump Down ..... 5-13

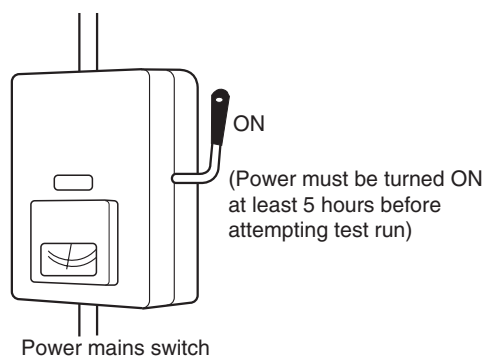
7. Meaning of Alarm Messages ..... 5-13

# 1. Preparing for Test Run

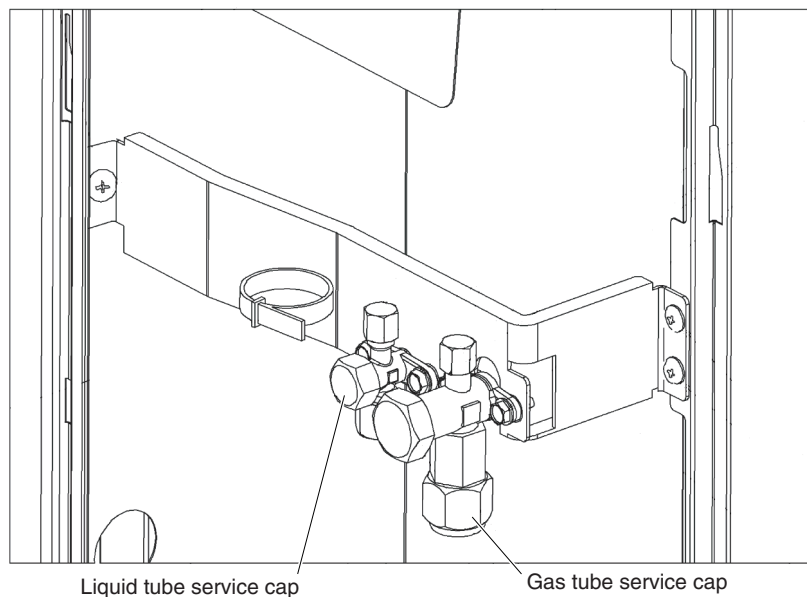
- **Before attempting to start the air conditioner, check the following.**

- (1) All loose matter is removed from the cabinet, especially steel filings, bits of wire, and clips.
- (2) The control wiring is correctly connected and all electrical connections are tight.
- (3) The transportation pads for the indoor fan have been removed. If not, remove them now.
- (4) The power has been connected to the unit for at least 5 hours before starting the compressor. The bottom of the compressor should be warm to the touch and the crankcase heater around the feet of the compressor should be hot to the touch.  
(Fig. 5-1)

- (5) Both the gas and liquid tube service valves are open. If not, open them now. (Fig. 5-2)
- (6) Request that the customer be present for the trial run.  
Explain the contents of the instruction manual, then have the customer actually operate the system.
- (7) Be sure to give the instruction manual and warranty certificate to the customer.
- (8) When replacing the control PCB, be sure to make all the same settings on the new PCB as were in use before replacement.  
The existing EEPROM is not changed, and is connected to the new control PCB.



**Fig. 5-1**



**Fig. 5-2**

## 2. Test Run Procedure

### Items to Check Before the Test Run

1. Turn the remote power switch on at least 5 hours before the test, in order to energize the crankcase heater.
  2. Turn the outdoor service valves (2 locations) to the full-open positions.
- Use caution when making the settings. If there are duplicated system addresses, or if the settings for the Nos. of the indoor units are not consistent, an alarm will occur and the system will not start.
  - These settings are not made on the indoor unit PCB.

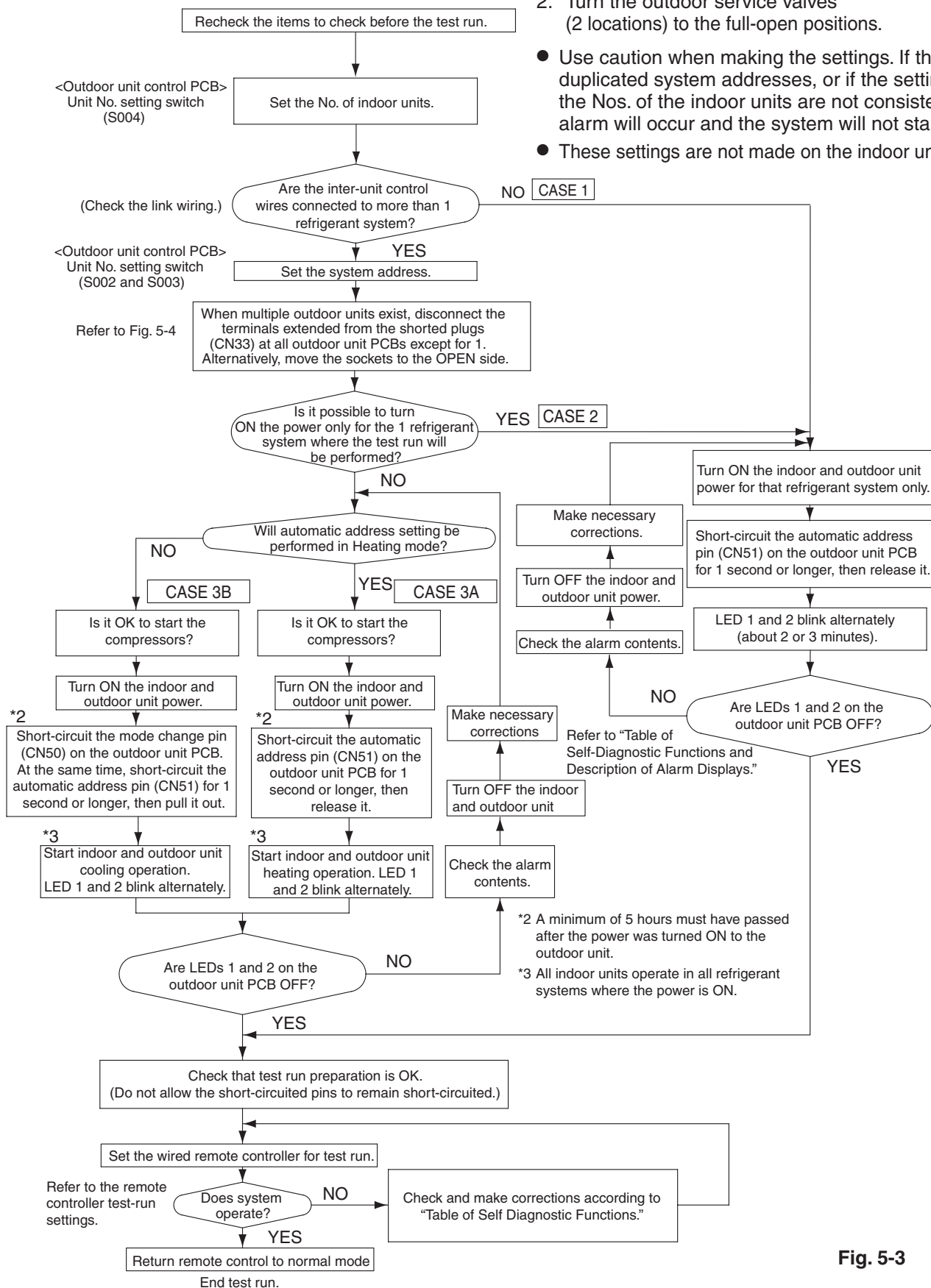
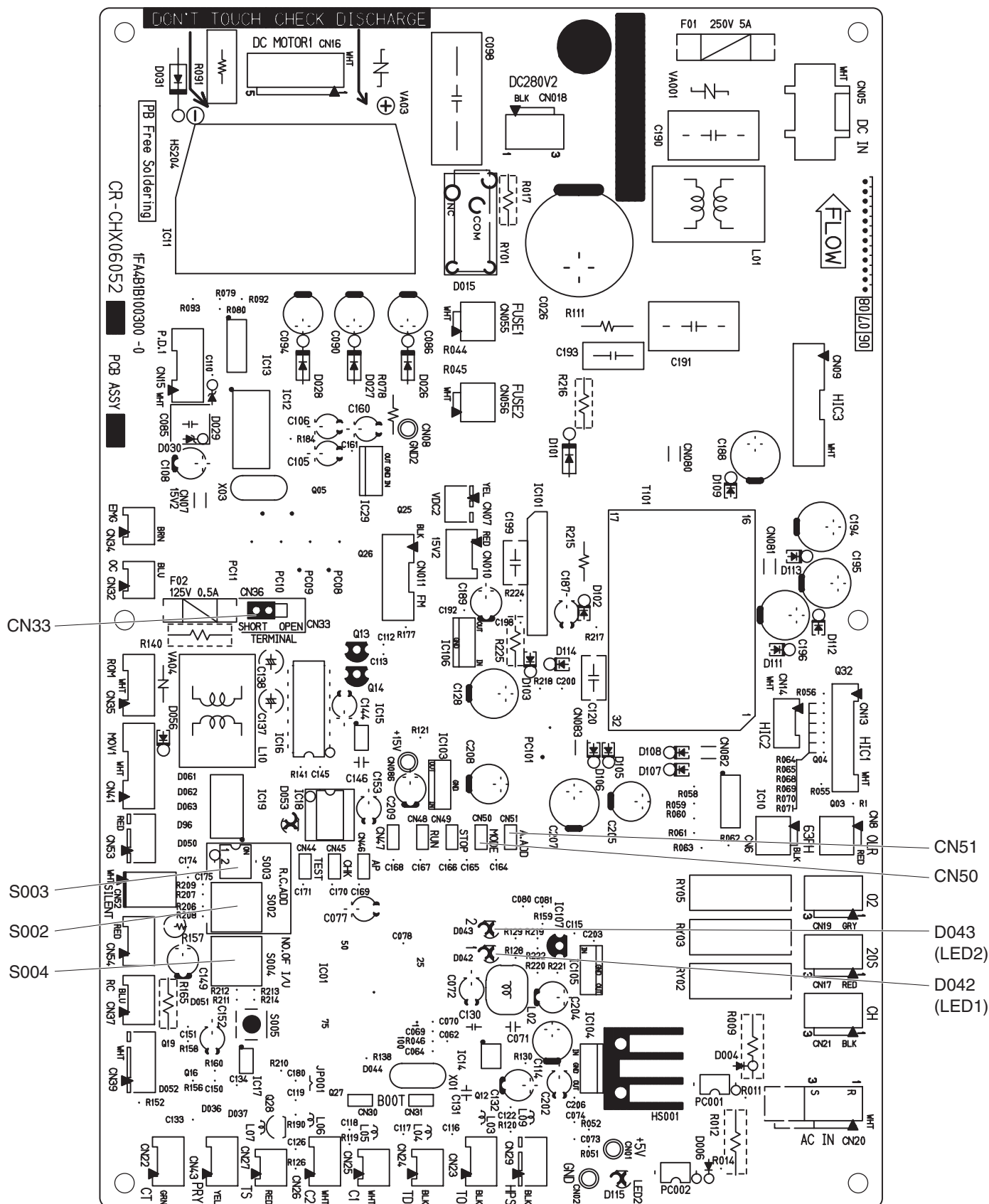


Fig. 5-3

### 3. Outdoor Unit PCB Setting






**Fig. 5-4**











### 3. Outdoor Unit PCB Setting

#### ● Examples of the No. of indoor units settings

No. of indoor units	Indoor unit setting (S004) (Rotary switch, red)
1 unit (factory setting)	 Set to 1
2 units	 Set to 2
⋮	⋮
9 units	 Set to 9

#### ● Examples of refrigerant circuit (R.C.) address settings (required when link wiring is used)

System address No.	System address (S003) (2P DIP switch, blue) 10 20	System address (S002) (Rotary switch, black)
System 1 (factory setting)	Both OFF 	 Set to 1
System 11	1 ON 	 Set to 1
System 21	2 ON 	 Set to 1
System 30	1 & 2 ON 	 Set to 0

## 4. Auto Address Setting

### Basic wiring diagram: Example (1)

- If link wiring is not used  
(The inter-unit control wires are not connected to multiple refrigerant systems.)  
Indoor unit addresses can be set without operating the compressors.

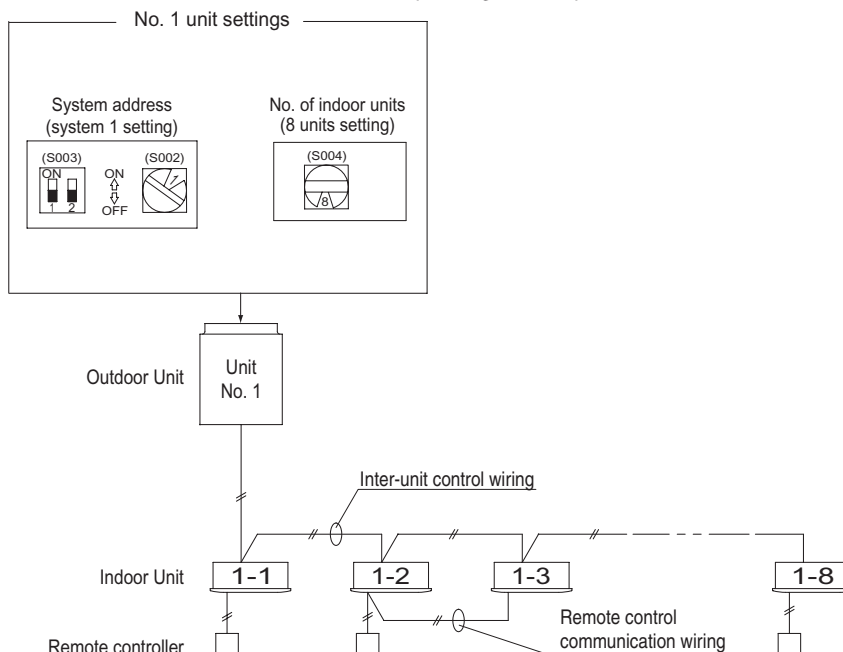
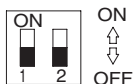


Fig. 5-5

#### (1) Automatic Address Setting from the Outdoor Unit

1. On the outdoor unit control PCB, check that the system address rotary switch (S002) is set to "1" and that the DIP switch (S003) is set to "0." (These are the settings at the time of factory shipment.)



2. To set the number of indoor units that are connected to the outdoor unit to 8 on the outdoor unit control PCB, set the No. of indoor units rotary switch (S004) to "8."
3. Turn ON the power to the indoor and outdoor units.
4. On the outdoor unit control PCB, short-circuit the automatic address pin (CN51) for 1 second or longer, then release it.



(Communication for automatic address setting begins.)



- \* To cancel, again short-circuit the automatic address pin (CN51) for 1 second or longer, then pull it out. The LED that indicates that automatic address setting is in progress turns OFF and the process is stopped.

(Automatic address setting is completed when LEDs 1 and 2 on the outdoor unit control PCB turn OFF.)



5. Operation from the remote controllers is now possible.

\* To perform automatic address setting from the remote controller, perform steps 1 to 3, then use the remote controller and complete automatic address setting.

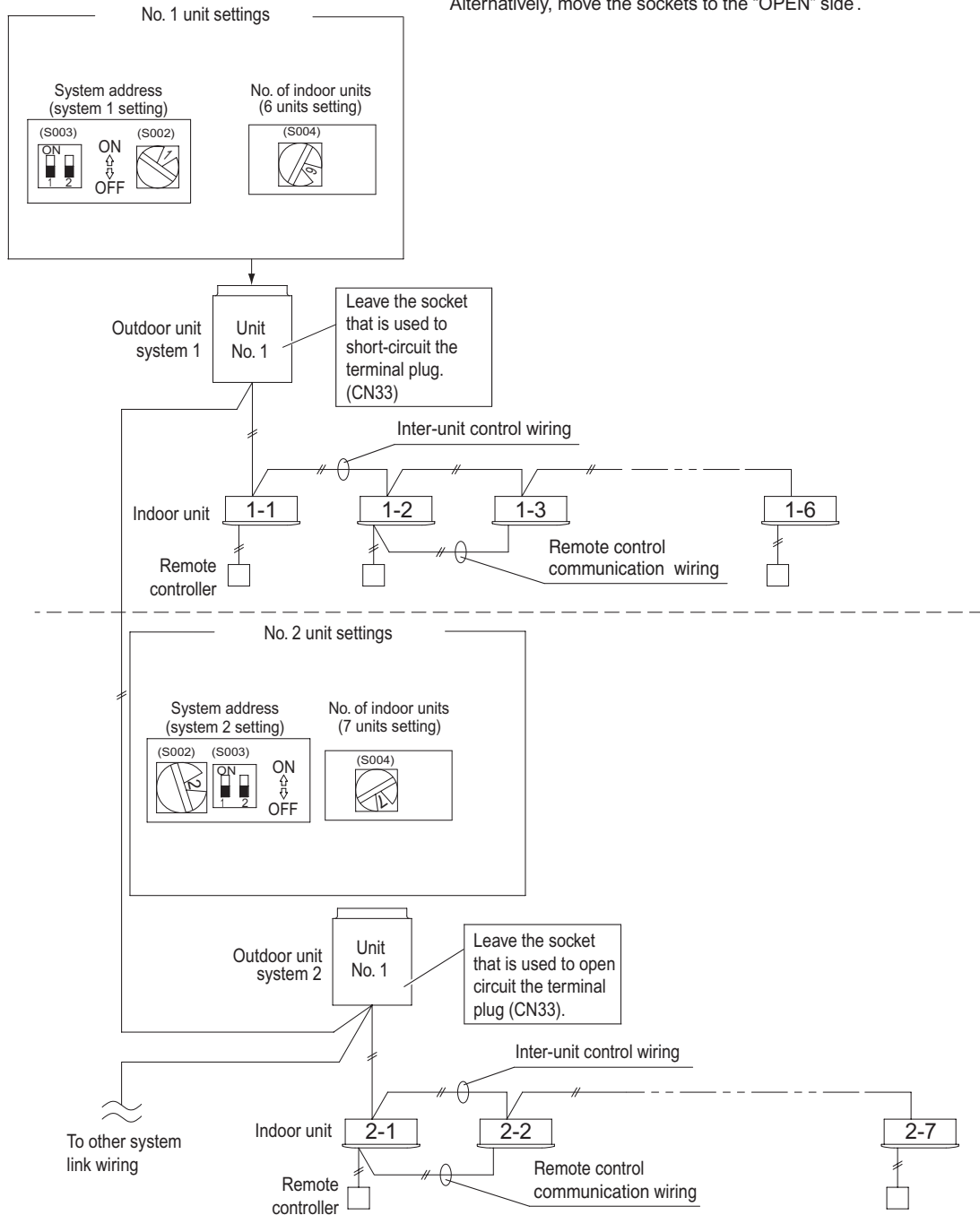
Refer to "Automatic Address Setting from the Remote Controller."

## 4. Auto Address Setting

### Basic wiring diagram: Example (2)

• If link wiring is used

\* When multiple outdoor units exist, remove the socket that is used to short-circuit the terminal plug (CN33) from all outdoor unit PCBs except for 1.  
Alternatively, move the sockets to the "OPEN" side.



Make settings as appropriate for the cases listed below.  
(Refer to the instructions on the following pages.)

- Indoor and outdoor unit power can be turned ON for each system separately. → Case 1

- Indoor and outdoor unit power cannot be turned ON for each system separately.

Automatic address setting in Heating mode → Case 2

Automatic address setting in Cooling mode → Case 3

Fig. 5-6


## 4. Auto Address Setting

### Case 1 Automatic Address Setting (no compressor operation)

- Indoor and outdoor unit power can be turned ON for each system separately.

Indoor unit addresses can be set without operating the compressors.

#### Automatic Address Setting from Outdoor Unit

- On the outdoor unit control PCB, check that the system address rotary switch (S002) is set to “1” and that the DIP switch (S003) is set to “0.”  (These are the settings at the time of factory shipment.)
- To set the number of indoor units that are connected to the outdoor unit to 6 on the outdoor unit control PCB, set the No. of indoor units rotary switch (S004) to “6.”
- At the outdoor unit where all indoor and outdoor unit power has been turned ON, short-circuit the automatic address pin (CN51) for 1 second or longer, then pull it out.
 

↓

(Communication for automatic address setting begins.)

↓

\* To cancel, again short-circuit the automatic address pin (CN51) for 1 second or longer, then pull it out.  
The LED that indicates automatic address setting is in progress turns OFF and the process is stopped.

(Automatic address setting is completed when LEDs 1 and 2 on the outdoor unit control PCB turn OFF.)

↓
- Next turn the power ON only for the indoor and outdoor units of the next (different) system. Repeat steps 1 – 3 in the same way to complete automatic address settings for all systems.
 

↓
- Operation from the remote controllers is now possible.
 

\* To perform automatic address setting from the remote controller, perform steps 1 and 2, then use the remote controller complete automatic address setting.  
Refer to “Automatic Address Setting from the Remote Controller.”

## 4. Auto Address Setting

### Case 2 Automatic Address Setting in Heating Mode

- Indoor and outdoor unit power cannot be turned ON for each system separately.  
In the following, automatic setting of indoor unit addresses is not possible if the compressors are not operating.  
Therefore perform this process only after completing all refrigerant tubing work.

#### Automatic Address Setting from Outdoor Unit

1. Perform steps 1 and 2 in the same way as for [Case 1](#).

2. Turn the indoor and outdoor unit power ON at all systems.

↓

3. To perform automatic address setting in [Heating mode](#), on the outdoor unit control PCB in the refrigerant system where you wish to set the addresses, short-circuit the automatic address pin (CN51) for 1 second or longer, then pull it out.

(Be sure to perform this process for one system at a time. Automatic address settings cannot be performed for more than one system at the same time.)

↓

(Communication for automatic address setting begins, **the compressors turn ON, and automatic address setting in heating mode begins.**)

(All indoor units operate.)

↓

\* To cancel, again short-circuit the automatic address pin (CN51) for 1 second or longer, then pull it out.  
The LED that indicates automatic address setting is in progress turns OFF and the process is stopped.

(Automatic address setting is completed when the compressors stop and LEDs 1 and 2 on the outdoor unit control PCB turn OFF.)

4. At the outdoor unit in the next (different) system, short-circuit the automatic address pin (CN51) for 1 second or longer, then pull it out.

↓

(Repeat the same steps to complete automatic address setting for all units.)

↓

5. Operation from the remote controllers is now possible.

\* To perform automatic address setting from the remote controller, perform steps 1 and 2, then use the remote controller complete automatic address setting.  
Refer to "Automatic Address Setting from the Remote Controller."

## 4. Auto Address Setting

### Case 3 Automatic Address Setting in Cooling Mode

- Indoor and outdoor unit power cannot be turned ON for each system separately.  
In the following, automatic setting of indoor unit addresses is not possible if the compressors are not operating.  
Therefore perform this process only after completing all refrigerant tubing work.  
Automatic address setting can be performed during Cooling operation.

#### Automatic Address Setting from Outdoor Unit

- Perform steps 1 and 2 in the same way as for **Case 1**.
- Turn the indoor and outdoor unit power ON at all systems.  
↓
- To perform automatic address setting in **Cooling mode**, on the outdoor unit control PCB in the refrigerant system where you wish to set the addresses, short-circuit the mode change 2P pin (CN50). At the same time, short-circuit the automatic address pin (CN51) for 1 second or longer, then pull it out. (Be sure to perform this process for one system at a time. Automatic address settings cannot be performed for more than one system at the same time.)  
↓

(Communication for automatic address setting begins, **the compressors turn ON, and automatic address setting in Cooling mode begins.**)

(All indoor units operate.)

↓

- \* To cancel, again short-circuit the automatic address pin (CN51) for 1 second or longer, then pull it out.  
The LED that indicates automatic address setting is in progress turns OFF and the process is stopped.

(Automatic address setting is completed when the compressors stop and LEDs 1 and 2 on the outdoor unit control PCB turn OFF.)

- At the outdoor unit in the next (different) system, short-circuit the automatic address pin (CN51) for 1 second or longer, then pull it out.  
↓

(Repeat the same steps to complete automatic address setting for all units.)  
↓

- Operation from the remote controllers is now possible.

\* Automatic address setting in Cooling mode cannot be done from the remote controller.

#### Automatic Address Setting from the Remote Controller

Selecting each refrigerant system individually for automatic address setting

---Automatic address setting for each system: Item code "A1"

- Press the remote controller timer time button and button at the same time. (Press and hold for 4 seconds or longer.)
- Next, press either the temperature setting or button.  
(Check that the item code is "A1.")
- Use either the **UNIT** or button to set the system No. to perform automatic address setting.
- Then press the **SET** button.

(Automatic address setting for one refrigerant system begins.)

(When automatic address setting for one system is completed, the system returns to normal stopped status.) <Approximately 4 – 5 minutes is required.>

(During automatic address setting, "**SETTING**" is displayed on the remote controller. This message disappears when automatic address setting is completed.)

- Repeat the same steps to perform automatic address setting for each successive system.



## 4. Auto Address Setting

### Display during automatic address setting

- On outdoor unit PCB



- \* Do not short-circuit the automatic address setting pin (CN51) again while automatic address setting is in progress. Doing so will cancel the setting operation and will cause LEDs 1 and 2 to turn OFF.

- \* When automatic address setting has been successfully completed, both LEDs 1 and 2 turn OFF.
- \* LED 1 is D042. LED 2 is D043.
- \* If automatic address setting is not completed successfully, refer to the table below and correct the problem. Then perform automatic address setting again.

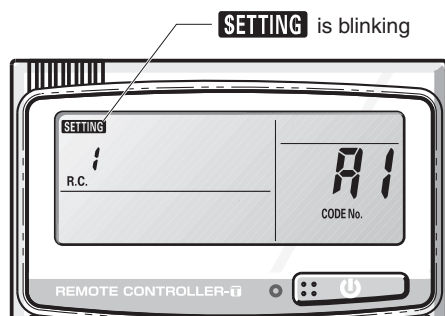
- Display details of LEDs 1 and 2 on the outdoor unit control PCB

(☀ : ON    ⚡ : Blinking    ● : OFF)

LED 1	LED 2	Display meaning
☀	☀	After the power is turned ON (and automatic address setting is not in progress), no communication with the indoor units in that system is possible.
●	☀	After the power is turned ON (and automatic address setting is not in progress), 1 or more indoor units are confirmed in that system; however, the number of indoor units does not match the number that was set.
⚡	⚡	Automatic address setting is in progress.
●	●	Automatic address setting completed.
⚡	⚡	At time of automatic address setting, the number of indoor units did not match the number that was set. ⚠ (when indoor units are operating) indication appears on the display.
⚡	⚡	Refer to Table of Self-Diagnostic Functions and Description of Alarm Displays.

**Note:** ⚠ indicates that the solenoid is fused or that there is a CT (current detection circuit) failure (current is detected when the compressor is OFF).

- Remote controller display during automatic setting



## 4. Auto Address Setting

## 5. Remote Controller Test Run Settings

### Request concerning recording the indoor/outdoor unit combination Nos.

After automatic address setting has been completed, be sure to record them for future reference.

List the outdoor unit system address and the addresses of the indoor units in that system in an easily visible location (next to the nameplate), using a permanent marking pen or similar means that cannot be erased easily.

Example: (Outdoor) 1 – (Indoor) 1-1, 1-2, 1-3...




(Outdoor) 2 – (Indoor) 2-1, 2-2, 2-3...

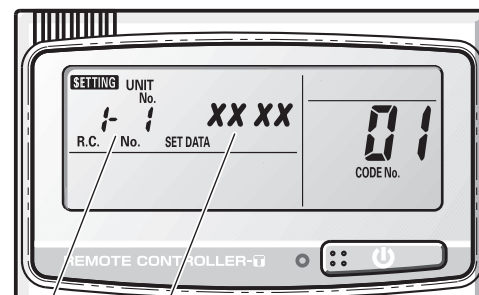
These numbers are necessary for later maintenance. Please be sure to indicate them.

### Checking the indoor unit addresses

Use the remote controller to check the indoor unit address.

#### <If 1 indoor unit is connected to 1 remote controller>






1. Press and hold the  button and  button for 4 seconds or longer (simple settings mode).
2. The address is displayed for the indoor unit that is connected to the remote controller.  
(Only the address of the indoor unit that is connected to the remote controller can be checked.)
3. Press the  button again to return to normal remote controller mode.

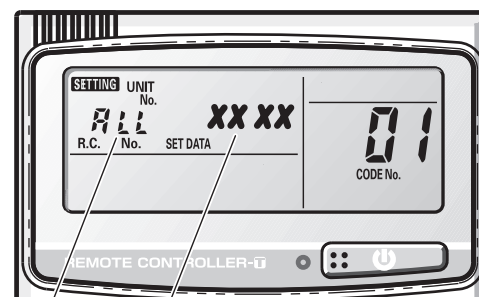


Number changes to indicate which indoor unit is currently selected.

Indoor unit address

#### <If multiple indoor units are connected to 1 remote controller (group control)>



1. Press and hold the  button and  button for 4 seconds or longer (simple settings mode).
2. "ALL" is displayed on the remote controller.
3. Next, press the  button.
4. The address is displayed for 1 of the indoor units which is connected to the remote controller. Check that the fan of that indoor unit starts and that air is discharged.
5. Press the  button again and check the address of each indoor unit in sequence.
6. Press the  button again to return to normal remote controller mode.




Number changes to indicate which indoor unit is currently selected.

Indoor unit address

### 5. Remote Controller Test Run Settings

1. Press the remote controller  button for 4 seconds or longer. Then press the  button.
    - "TEST" appears on the LCD display while the test run is in progress.
    - The temperature cannot be adjusted when in Test Run mode.  
(This mode places a heavy load on the machines. Therefore use it only when performing the test run.)
  2. The test run can be performed using the HEAT, COOL, or FAN operation modes.
 

**Note:** The outdoor units will not operate for approximately 3 minutes after the power is turned ON and after operation is stopped.
  3. If correct operation is not possible, a code is displayed on the remote controller display.  
(Refer to "2-6. Meaning of Alarm Messages" and correct the problem.)
  4. After the test run is completed, press the  button again. Check that "TEST" disappears from the remote controller's display.  
(To prevent continuous test runs, this remote controller includes a timer function that cancels the test run after 60 minutes.)
- \* If the test run is performed using the wired remote controller, operation is possible even if the cassette-type ceiling panel has not been installed. ("P09" display does not occur.)



## 6. Caution for Pump Down

## 7. Meaning of Alarm Messages

### 6. Caution for Pump Down

Pump down means refrigerant gas in the system is returned to the outdoor unit. Pump down is used when the unit is to be moved, or before servicing the refrigerant circuit.



#### CAUTION

- **This outdoor unit cannot collect more than the rated refrigerant amount as shown by the nameplate on the back.**
- **If the amount of refrigerant is more than that recommended, do not conduct pump down. In this case use another refrigerant collecting system.**

### 7. Meaning of Alarm Messages

#### Table of Self-Diagnostics Functions and Description of Alarm Displays

Alarm messages are indicated by the blinking of LED 1 and 2 (D042, D043) on the outdoor unit PCB. They are also displayed on the wired remote controller.

- Viewing the LED 1 and 2 (D042 and D043) alarm displays

LED 1	LED 2	Alarm contents
		Alarm display
Alternating		LED 1 blinks M times, then LED 2 blinks N times. The cycle then repeats. M = 2: P alarm 3: H alarm 4: E alarm 5: F alarm 6: L alarm N = Alarm No. Example: LED 1 blinks 2 times, then LED 2 blinks 17 times. The cycle then repeats. Alarm is "P17."

( : Blinking)

Possible cause of malfunction			Alarm message
Serial communication errors Mis-setting	Remote controller is detecting error signal from indoor unit.	Error in receiving serial communication signal. (Signal from main indoor unit in case of group control) Ex: Auto address is not completed.	<E01>
		Error in transmitting serial communication signal.	<E02>
	Indoor unit is detecting error signal from remote controller (and system controller).		<<E03>>
	Indoor unit is detecting error signal from outdoor unit.	Error in receiving serial communication signal. When turning on the power supply, the number of connected indoor units does not correspond to the number set. (Except R.C. address is "0.")	E04
		Error of the outdoor unit in receiving serial communication signal from the indoor unit.	<E06>
	Improper setting of indoor unit or remote controller.	Indoor unit address setting is duplicated.	E08
		Remote controller address connector (RCU. ADR) is duplicated. (Duplication of main remote controller)	<<E09>>
	During auto address setting, number of connected units does not correspond to number set.	Starting auto address setting is prohibited. This alarm message shows that the auto address connector CN100 is shorted while other RC line is executing auto address operation.	E12
		Error in auto address setting. (Number of connected indoor units is less than the number set)	E15
	When turning on the power supply, number of connected units does not correspond to number set. (Except R.C. address is "0.")	Error in auto address setting. (Number of connected indoor units is more than the number set)	E16
		No indoor unit is connected during auto address setting.	E20
		Error of outdoor unit address setting.	E25
	Indoor unit communication error of group control wiring.	Error of main indoor unit in receiving serial communication signal from sub indoor units.	E18

Continued

## 7. Meaning of Alarm Messages

Possible cause of malfunction			Alarm message	
Serial communication errors Mis-setting	Improper setting.	This alarm message shows when the indoor unit for multiple-use is not connected to the outdoor unit.	L02	
		Duplication of main indoor unit address setting in group control.		<L03>
		Duplication of outdoor R.C. address setting.		L04
		There are 2 or more indoor units controllers which have operation mode priority in 1 refrigerant circuit.	Priority set remote controller	L05
			Non-priority set remote controller	L06
		Group control wiring is connected to individual control indoor unit.		L07
		Indoor unit address is not set.		L08
		Capacity code of indoor unit is not set.		<<L09>>
		Capacity code of outdoor unit is not set.		L10
		Mis-matched connection of outdoor units which have different kinds of refrigerant.		L17
		4-way valve operation failure		L18
Activation of protective device	Protective device in indoor unit is activated.	Thermal protector in indoor unit fan motor is activated.	<<P01>>	
		Improper wiring connections of ceiling panel.	<<P09>>	
		Float switch is activated.	<<P10>>	
		Operation of protective function of fan inverter.	P12	
		O <sub>2</sub> sensor (detects low oxygen level) activated.	P14	
	Protective device in outdoor unit is activated.	Compressor thermal protector is activated. Power supply voltage is unusual. (The voltage is more than 260 V or less than 160 V between L1 and L2 phase.)		P02
		Incorrect discharge temperature.		P03
		High pressure switch is activated.		P04
		Detective phase (3-phase outdoor unit only)		P05
		Compressor running failure resulting from missing phase in the compressor wiring, etc. (Start failure not caused by IPM or no gas.)		P16
		Outdoor unit fan motor is unusual.		P22
		Overcurrent at time of compressor runs more than 80Hz (DCCT secondary current or ACCT primary current is detected at a time other than when IPM has tripped.)		P26
		IPM trip (IPM current or temperature)		H31
		Inverter for compressor is unusual. (DC compressor does not operate.)		P29
		Thermistor fault	Indoor thermistor is either open or damaged.	Indoor coil temp. sensor (E1)
Indoor coil temp. sensor (E2)	<<F02>>			
Indoor coil temp. sensor (E3)	<<F03>>			
Indoor suction air (room) temp. sensor (TA)	<<F10>>			
Indoor discharge air temp. sensor (BL)	<<F11>>			
Outdoor thermistor is either open or damaged.	Compressor discharge sensor (TD)		F04	
	Outdoor No. 1 coil liquid temp. sensor (C1)		F07	
	Outdoor air temp. sensor (TO)		F08	
	Compressor suction port temperature sensor (TS)		F12	
	High pressure sensor		F16	
EEPROM on indoor unit PCB failure			F29	
Protective device for compressor is activated	Protective device for compressor No. 1 is activated.	EEPROM on the outdoor unit PCB is a failure.	F31	
		Current is not detected when comp. is ON.	H03	

6. ELECTRICAL DATA

1. Outdoor Unit ..... 6-2

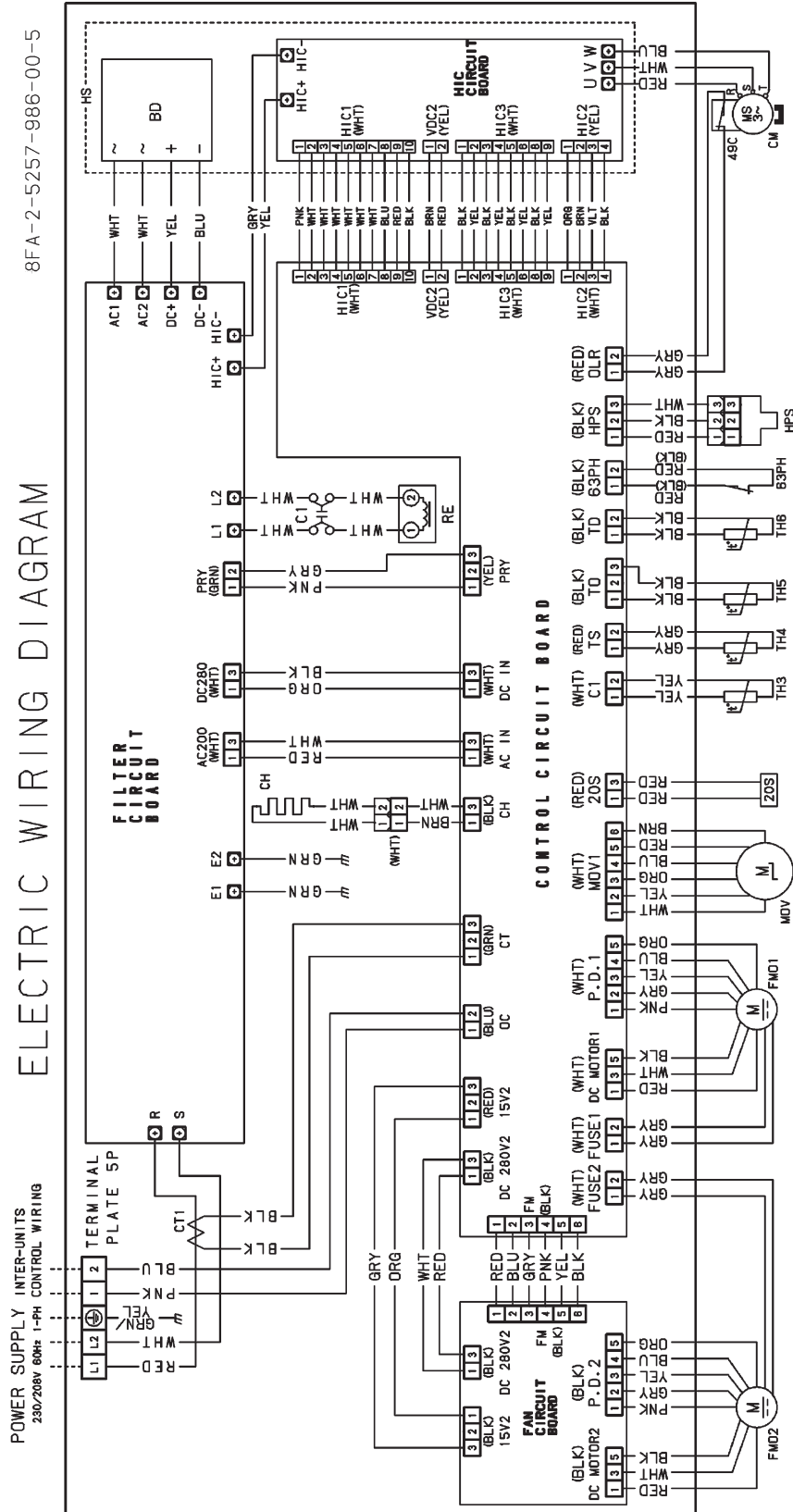
    (1) Electric Wiring Diagram U-36LE1U6, U-36LE1U6E ..... 6-2

    (2) Electric Wiring Diagram U-52LE1U6, U-52LE1U6E ..... 6-4

2. Indoor Unit

    \* Refer to the 2WAY VRF SYSTEM TECHNICAL DATA (TD831157)

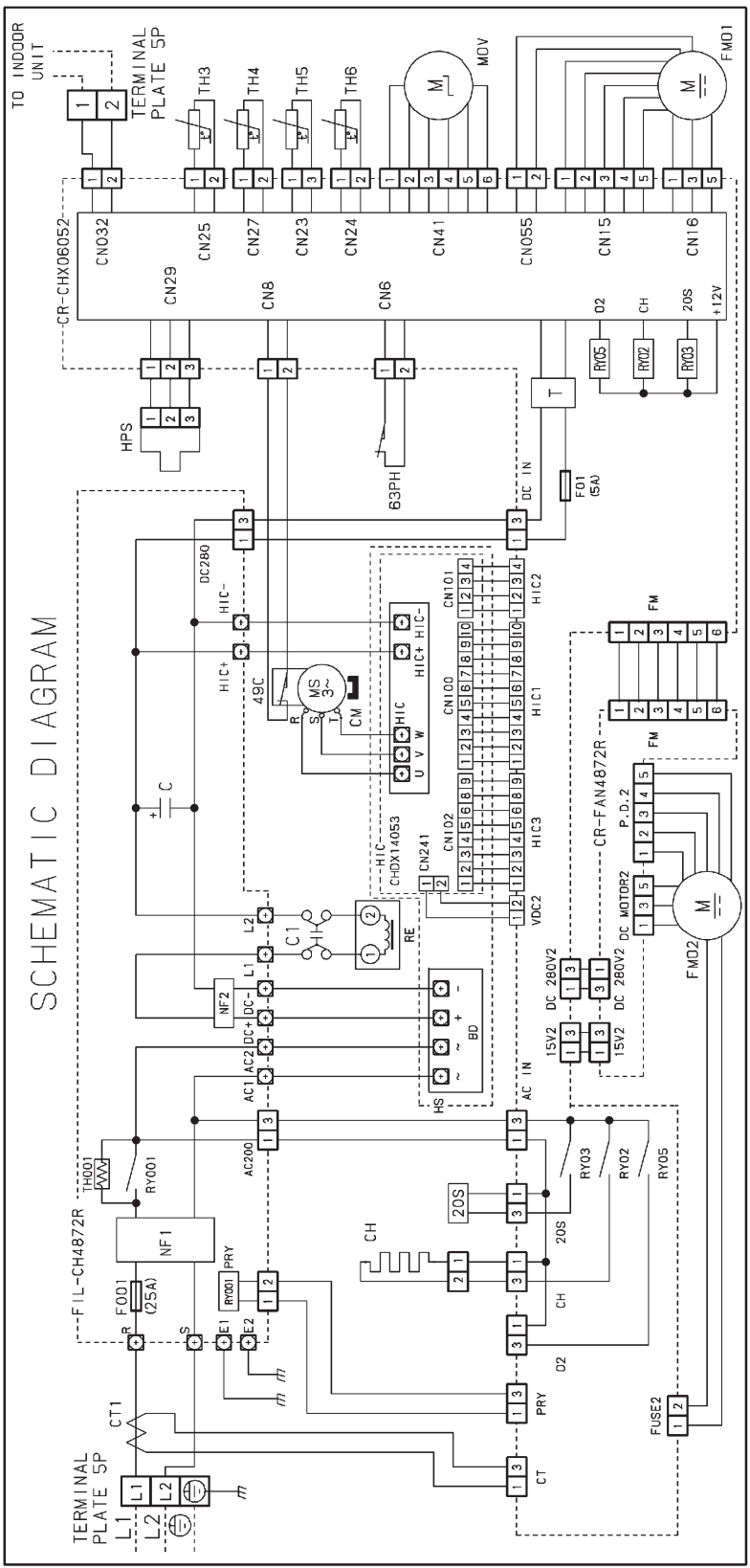
### (1) Electric Wiring Diagram U-36LE1U6, U-36LE1U6E



1. Outdoor Unit

Schematic Diagram U-36LE1U6, U-36LE1U6E

8FA-2-5257-986-00-5



OUTDOOR PC UNIT HEATING & COOLING

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
CM	COMPRESSOR MOTOR	F001, 01	OPERATION CIRCUIT FUSE	BD	BRIDGE DIODE	FIL-CH4872R	FILTER CIRCUIT BOARD
FMD1, 2	OUTDOOR FAN MOTOR	NF1, 2	NOISE FILTER	HS	HEAT SINK RADIATOR	HIC-CHDX14053	HIC CIRCUIT BOARD
20S	FOUR WAY VALVE	C	ELECTROLYTIC CAPACITOR	T	TRANSFORMER	CR-FAN4872R	FAN CIRCUIT BOARD
63PH	HIGH PRESSURE SWITCH	C1	CAPACITOR	CT1	CURRENT TRANSFORMER		THERMISTOR
49C	COMPRESSOR MOTOR THERMAL PROTECTOR	RE	REACTOR	RY02, 03, 05	RELAY		CONNECTOR, TERMINAL BOARD
MDV	MOTOR OPERATED VALVE	HIC	HYBRID IC	CR-CHX06052	CONTROL CIRCUIT BOARD		TERMINAL



TURN OFF THE MAIN POWER SUPPLY SWITCH WHEN CHANGING P.C.B.. CONFIRM ALL THE L.E.D.S ON THE P.C.B.. ARE OFF AND START TO REWORK. OTHERWISE YOU MAY BE KILLED BY AN ELECTRIC SHOCK.

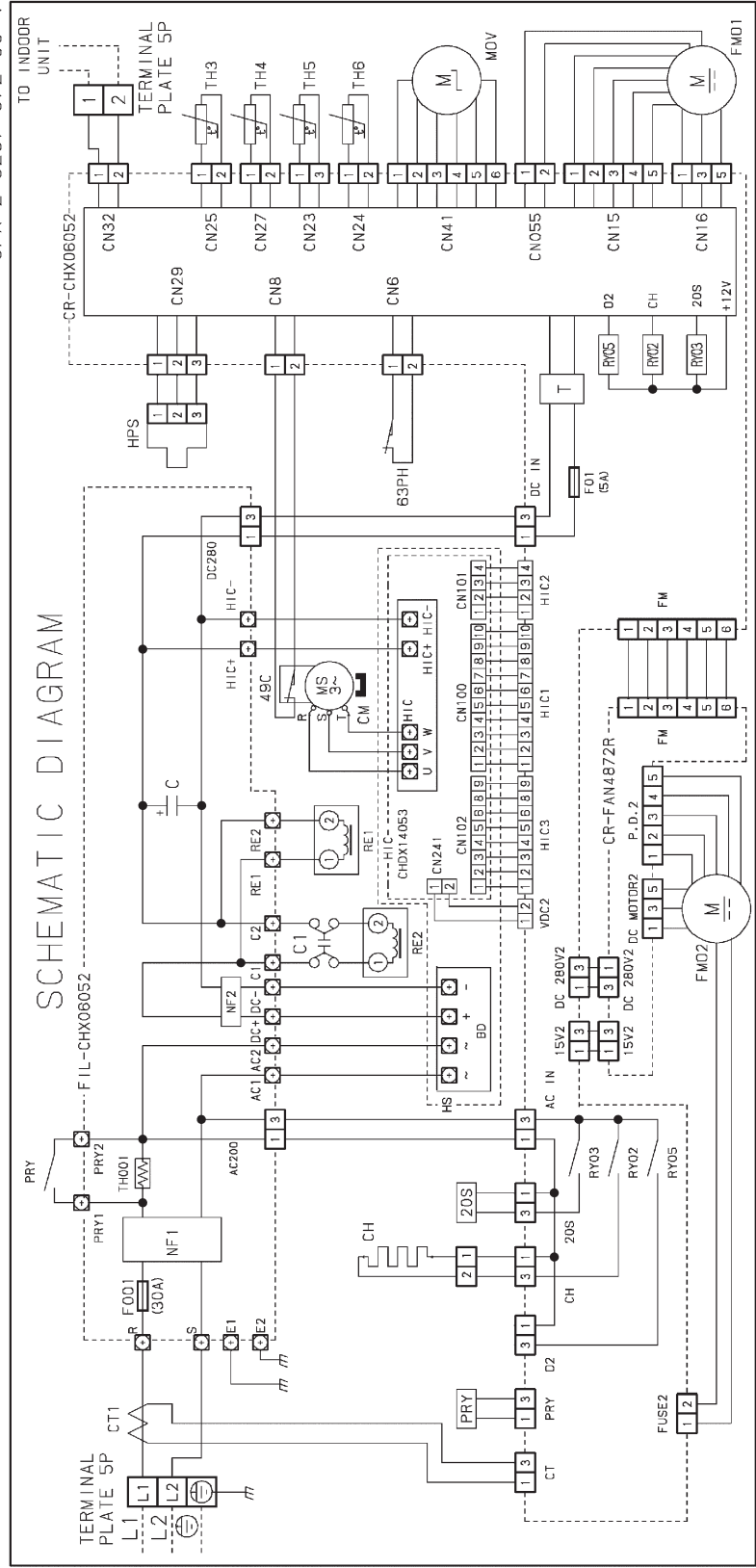
# ELECTRIC WIRING DIAGRAM



1. Outdoor Unit

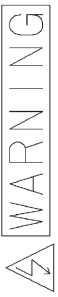
Schematic Diagram U-52LE1U6, U-52LE1U6E

8FA-2-5257-972-00-4



OUTDOOR PC UNIT HEATING & COOLING

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
CM	COMPRESSOR MOTOR	FO01, 01	OPERATION CIRCUIT FUSE	BD	BRIDGE DIODE	FIL-CHX06052	FILTER CIRCUIT BOARD
FM01, 2	OUTDOOR FAN MOTOR	NF1, 2	NOISE FILTER	HS	HEAT SINK RADIATOR	HIC-CHDX14053	HIC CIRCUIT BOARD
20S	FOUR WAY VALVE	C	ELECTROLYTIC CAPACITOR	T	TRANSFORMER	CR-FAN4872R	FAN CIRCUIT BOARD
63PH	HIGH PRESSURE SWITCH	C1	CAPACITOR	CT1	CURRENT TRANSFORMER		THERMISTOR
49C	COMPRESSOR MOTOR THERMAL PROTECTOR	RE	REACTOR	RY02, 03, 05	RELAY		CONNECTOR TERMINAL BOARD
MOV	MOTOR OPERATED VALVE	HIC	HYBRID IC	CR-CHX06052	CONTROL CIRCUIT BOARD		TERMINAL



WARNING

TURN OFF THE MAIN POWER SUPPLY SWITCH WHEN CHANGING P.C.B.. CONFIRM ALL THE L.E.D.S ON THE P.C.B. ARE OFF AND START TO REWORK. OTHERWISE YOU MAY BE KILLED BY AN ELECTRIC SHOCK.







7. PCB AND FUNCTIONS

1. Outdoor Unit Control PCB ..... 7-2

1-1. Outdoor Unit Control PCB CR-CHX06052 ..... 7-2

1-2. Outdoor Unit HIC Board HIC-CHDX14053 ..... 7-3

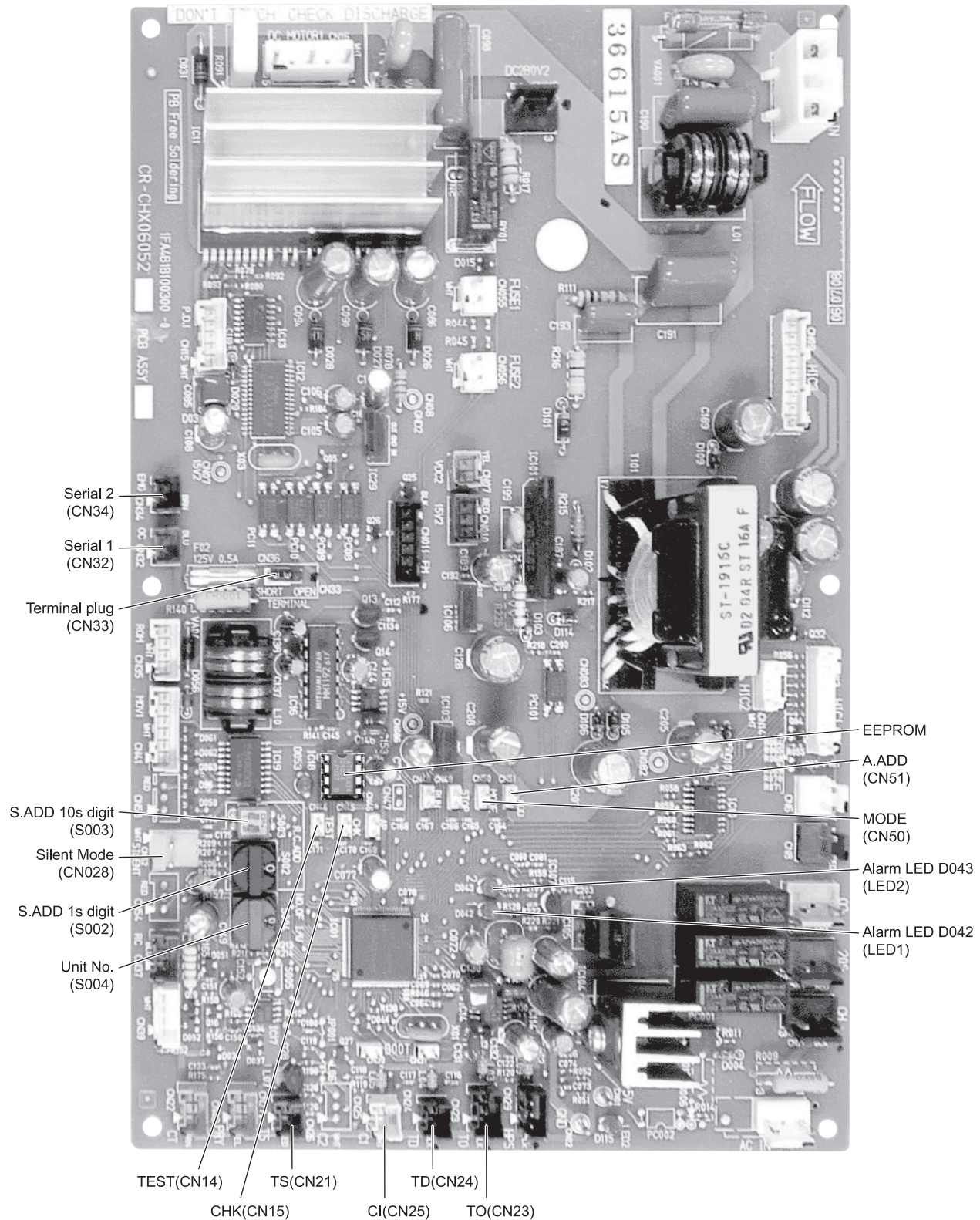
1-3. Functions (for CR-CHX06052) ..... 7-4

2. Indoor Unit Control PCB Switches and Functions

\* Refer to the 2WAY VRF SYSTEM TECHNICAL DATA (TD831157)

# 1. Outdoor Unit Control PCB

## 1-1. Outdoor Unit Control PCB CR-CHX06052



05 07 08

HIC-CHDX14053

1FA4B1B100700-0

PCB-ASSY 2

376138R

CHECK DISCHARGE  
DON'T TOUCH

Wave Soldering  
Reflow Soldering  
Sn-3.0Ag-0.5Cu

TX-M81

# 1. Outdoor Unit Control PCB

## 1-3. Functions (for CR-CHX06052)

CN51	<p>2P plug (black): Automatic address setting pin</p> <ul style="list-style-type: none"> <li>• If the system address switch (S002: Factory setting is 0) is set to other than 0 (centralized control), press this switch once to automatically set the address of the indoor unit to the connected outdoor unit within the same system. While the automatic address setting is in progress, 2 LEDs (red) on the outdoor unit control PCB blinks alternately. (The automatic address operation will stop when this switch is pressed again.)</li> <li>• When other system in centralized control mode is in the progress of automatic address setting, only the LED1 of the outdoor unit control PCB blinks and indicates that the automatic address setting for other system is in progress. While other unit is in the progress of automatic address setting, pressing S001 will disable the automatic address setting.</li> </ul>
S002	<p>Rotary switch (10 positions, black): Outdoor system address setting switch</p> <ul style="list-style-type: none"> <li>• The factory setting is 0 (1 system control), but it is necessary to set the address to each system with the multiple system control or centralized control. (Fig.7-1)</li> <li>• When system address is set to 0, automatic address will start simultaneously with power activation, and it is not necessary to set the automatic address setting with SW01 switch when there is only a single or simultaneously running multiple controls in a single system.</li> <li>• When multiple systems are operated in centralized control, maximum of 30 systems (up to indoor unit 64 units) can be connected. When operated by group control or centralized control, set the system address other than 0 (1 or more).</li> <li>• When the number of systems exceeds 9, you can set up to 30 systems by combining with the dip switch S003. You can set up to 39, however control will be for 30 systems even if you set more than 30. (For details, refer to Table 7-1.)</li> <li>• LED1 of the outdoor unit control PCB lights up and the warning “<b>L 04</b>” is displayed in remote control when the system addresses has overlapped (multiple equated addresses exist).</li> </ul>
S003	<p>DIP switch (2P, blue): Switches for setting system address 10s digit and 20s digit</p> <ul style="list-style-type: none"> <li>• If 10 systems or more are set, the setting is made by a combination of this DIP switch and S002.</li> <li>• If 10 - 19 systems are set, set switch 1P (10s digit) to ON.</li> <li>• If 20 - 29 systems are set, set switch 2P (20s digit) to ON, and set switch 1P (10s digit) to OFF.</li> <li>• If 30 systems are set, set both switch 1P (10s digit) and switch 2P (20s digit) to ON. (For details, refer to Table 7-1.)</li> </ul>
CN14	<p>2P plug (white): PCB inspection pin at the factory</p>

# 1. Outdoor Unit Control PCB

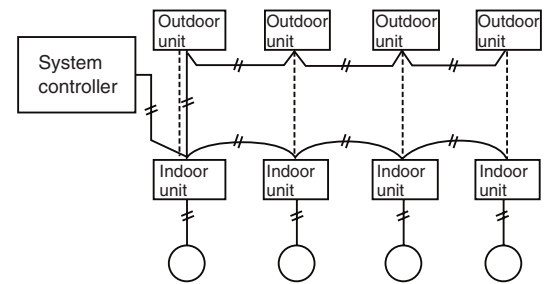
CN15	<p>The control operations that are shown below are when you short-circuit this cooling inspection pin located on the outdoor unit control PCB.</p> <p>1.Thermistor inspection</p> <table><tr><th rowspan="2">Thermistor</th><th colspan="2">Detection results</th></tr><tr><th>Normal</th><th>Error</th></tr><tr><td>Discharge temperature (TD)</td><td>LED1 lights up</td><td rowspan="5">LED1, 2 turns off</td></tr><tr><td>Outdoor temperature (TO)</td><td>LED2 lights up</td></tr><tr><td>Heat exchanger temperature (C1)</td><td>LED1 lights up</td></tr><tr><td>Heat exchanger temperature (C2)</td><td>LED2 lights up</td></tr><tr><td>Air inlet temperature (TS)</td><td>LED1 lights up</td></tr></table> <p style="text-align: center;">↓</p> <p>2. Turn ON the four-way valve for one second</p> <p>3. Forced cooling operation</p>	Thermistor	Detection results		Normal	Error	Discharge temperature (TD)	LED1 lights up	LED1, 2 turns off	Outdoor temperature (TO)	LED2 lights up	Heat exchanger temperature (C1)	LED1 lights up	Heat exchanger temperature (C2)	LED2 lights up	Air inlet temperature (TS)	LED1 lights up
Thermistor	Detection results																
	Normal	Error															
Discharge temperature (TD)	LED1 lights up	LED1, 2 turns off															
Outdoor temperature (TO)	LED2 lights up																
Heat exchanger temperature (C1)	LED1 lights up																
Heat exchanger temperature (C2)	LED2 lights up																
Air inlet temperature (TS)	LED1 lights up																
CN50	<p>This pin is used to perform automatic address while operating the compressor. Normally, automatic address can be performed in Heating mode, short-circuit this pin to perform automatic address when operation is in Cooling mode.</p>																
CN33	<p>3P plug (black): Terminal plug of the communications circuit</p> <ul style="list-style-type: none"><li>• A connecting socket (2P, black) for short circuiting is attached to the terminal plug at the time of shipment from the factory.</li><li>• When multiple systems are operated in centralized control, leave the connecting socket in place at only 1 of the outdoor unit in system address, and then replace the socket 2 to 3 from the outdoor unit (other than 1). If multiple connecting sockets are left in place while operated in centralized control, communications trouble will occur.</li><li>• When there is only single (system address 0) connecting socket of 1 system, do not remove the connecting socket. (It is for the warning “E04”.)</li></ul>																
CN028	<p>2P plug (white): Silent mode operation pin</p> <ul style="list-style-type: none"><li>• Operates the outdoor fan and compressor frequency with a limitation.</li><li>• When relay turns ON, operating noise becomes low.</li></ul> <div><div><div>Silent CN028</div><div><div>11</div><div>22</div></div></div><div><div>Relay (field supply)</div><div></div></div><p>External contact (Timer input, etc.: field supply)</p></div> <p>Outdoor unit control PCB</p> <p>Note 1: Make the length of the wire between the outdoor unit control PCB to Relay within 6.5 ft.</p> <ul style="list-style-type: none"><li>• 2P socket with lead wire (Service parts: Parts code/CV6231612098)</li><li>• Relay field supply contact input specification DC5V and 0.5mA (Recommended relay; The Fuji Electric Co. /HH62SW nano-contact point correspondence)</li><li>• Use commercially available timer. (Omron “H5” daily time switch, etc.)</li></ul>																

# 1. Outdoor Unit Control PCB

**Table 7-1. Setting the System Address**

[S002: Rotary switch (black), S003: 2P DIP (green or blue)]

	Outdoor system address No.	S002 setting (System address switch)	S003 setting	
			1P (10s digit)	2P (20s digit)
<b>1 refrigerant system only</b>	1	0	OFF	OFF
<b>When operated in centralized control</b>	1	1	OFF	OFF
	2	2	OFF	OFF
	3	3	OFF	OFF
	4	4	OFF	OFF
	5	5	OFF	OFF
	6	6	OFF	OFF
	7	7	OFF	OFF
	8	8	OFF	OFF
	9	9	OFF	OFF
	10	0	ON	OFF
	11	1	ON	OFF
	12	2	ON	OFF
	13	3	ON	OFF
	14	4	ON	OFF
	15	5	ON	OFF
	16	6	ON	OFF
	17	7	ON	OFF
	18	8	ON	OFF
	19	9	ON	OFF
	20	0	OFF	ON
	21	1	OFF	ON
	22	2	OFF	ON
	23	3	OFF	ON
	24	4	OFF	ON
	25	5	OFF	ON
	26	6	OFF	ON
	27	7	OFF	ON
	28	8	OFF	ON
	29	9	OFF	ON
	30	0	ON	ON


**Fig. 7-1**



## 8. CAPACITY TABLE

<b>1. Capacity Ratio of Outdoor Unit .....</b>	<b>8-2</b>
1-1. U-36LE1U6, U-36LE1U6E (Cooling) .....	8-2
1-2. U-36LE1U6, U-36LE1U6E (Heating) .....	8-4
1-3. U-52LE1U6, U-52LE1U6E (Cooling) .....	8-6
1-4. U-52LE1U6, U-52LE1U6E (Heating) .....	8-8
<b>2. Cooling Capacity of Indoor Unit .....</b>	<b>8-10</b>
2-1. 4-Way Cassette Type (U1 Type), 4-Way Cassette 60×60 Type (Y1 Type) .....	8-10
2-2. 1-Way Cassette Type (D1 Type) .....	8-16
2-3. Wall Mounted Type (K1 Type) .....	8-19
2-4. Ceiling Type (T1 Type) .....	8-25
2-5. Low Silhouette Ducted Type (F1 Type), Slim Low Static Ducted Type (M1 Type) .....	8-28
2-6. High Static Pressure Ducted Type (E1 Type) .....	8-42
2-7. Floor Standing Type (P1 Type) .....	8-44
2-8. Concealed Floor Standing Type (R1 Type) .....	8-50

# 1. Capacity Ratio of Outdoor Unit

## 1-1. U-36LE1U6, U-36LE1U6E (Cooling)

### MINI VRF Capacity Ratio 50-130%

TC: Total capacity (kW), PI: Power input (kW)

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-10.0	10.1	0.99	11.0	1.17	11.8	1.32	12.7	1.50	13.5	1.62	14.3	1.74	15.2	1.86
	-5.0	10.1	1.02	11.0	1.20	11.8	1.35	12.7	1.56	13.5	1.68	14.3	1.80	15.2	1.92
	0.0	10.1	1.08	11.0	1.26	11.8	1.41	12.7	1.62	13.5	1.77	14.3	1.86	15.2	2.01
	5.0	10.1	1.14	11.0	1.32	11.8	1.50	12.7	1.71	13.5	1.83	14.3	1.98	15.2	2.13
	10.0	10.1	1.23	11.0	1.41	11.8	1.59	12.7	1.80	13.5	1.95	14.3	2.10	15.2	2.25
	15.0	10.1	1.35	11.0	1.55	11.8	1.74	12.7	1.92	13.5	2.10	14.3	2.28	15.2	2.46
	20.0	10.1	1.50	11.0	1.70	11.8	1.89	12.7	2.10	13.5	2.28	14.3	2.46	15.2	2.71
	25.0	10.1	1.68	11.0	1.89	11.8	2.10	12.7	2.34	13.5	2.52	14.3	2.71	15.2	3.13
	30.0	10.1	1.92	11.0	2.13	11.8	2.34	12.7	2.64	13.5	3.01	14.3	3.22	14.8	3.34
	35.0	10.1	2.25	11.0	2.49	11.8	2.74	12.7	3.01	13.5	3.25	13.9	3.43	14.3	3.55
	40.0	10.1	2.64	11.0	2.89	11.8	3.13	12.3	3.46	12.8	3.55	13.2	3.58	13.4	3.58
	43.0	10.1	3.01	11.0	3.25	11.1	3.40	11.6	3.55	12.1	3.58	12.3	3.58	12.8	3.58

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
120%	-10.0	9.7	0.97	10.6	1.14	11.4	1.29	12.2	1.46	13.0	1.58	13.8	1.70	14.6	1.82
	-5.0	9.7	1.00	10.6	1.17	11.4	1.32	12.2	1.52	13.0	1.64	13.8	1.76	14.6	1.87
	0.0	9.7	1.05	10.6	1.23	11.4	1.38	12.2	1.58	13.0	1.73	13.8	1.82	14.6	1.96
	5.0	9.7	1.11	10.6	1.29	11.4	1.46	12.2	1.67	13.0	1.79	13.8	1.93	14.6	2.08
	10.0	9.7	1.20	10.6	1.38	11.4	1.55	12.2	1.76	13.0	1.90	13.8	2.05	14.6	2.20
	15.0	9.7	1.32	10.6	1.51	11.4	1.70	12.2	1.87	13.0	2.05	13.8	2.23	14.6	2.40
	20.0	9.7	1.46	10.6	1.65	11.4	1.84	12.2	2.05	13.0	2.23	13.8	2.40	14.6	2.64
	25.0	9.7	1.64	10.6	1.84	11.4	2.05	12.2	2.28	13.0	2.46	13.8	2.64	14.6	3.05
	30.0	9.7	1.87	10.6	2.08	11.4	2.28	12.2	2.58	13.0	2.93	13.8	3.13	14.3	3.25
	35.0	9.7	2.20	10.6	2.43	11.4	2.66	12.2	2.93	13.0	3.16	13.4	3.34	13.8	3.46
	40.0	9.7	2.58	10.6	2.81	11.4	3.05	11.8	3.37	12.3	3.46	12.8	3.54	13.1	3.58
	43.0	9.7	2.93	10.6	3.16	10.7	3.31	11.2	3.46	11.7	3.57	12.0	3.58	12.4	3.58

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
110%	-10.0	9.4	0.94	10.2	1.11	11.0	1.25	11.8	1.42	12.5	1.54	13.3	1.65	14.1	1.76
	-5.0	9.4	0.97	10.2	1.14	11.0	1.28	11.8	1.48	12.5	1.59	13.3	1.71	14.1	1.82
	0.0	9.4	1.02	10.2	1.19	11.0	1.34	11.8	1.54	12.5	1.68	13.3	1.76	14.1	1.90
	5.0	9.4	1.08	10.2	1.25	11.0	1.42	11.8	1.62	12.5	1.73	13.3	1.88	14.1	2.02
	10.0	9.4	1.17	10.2	1.34	11.0	1.51	11.8	1.71	12.5	1.85	13.3	1.99	14.1	2.13
	15.0	9.4	1.28	10.2	1.46	11.0	1.65	11.8	1.82	12.5	1.99	13.3	2.16	14.1	2.33
	20.0	9.4	1.42	10.2	1.61	11.0	1.79	11.8	1.99	12.5	2.16	13.3	2.33	14.1	2.56
	25.0	9.4	1.59	10.2	1.79	11.0	1.99	11.8	2.22	12.5	2.39	13.3	2.56	14.1	2.96
	30.0	9.4	1.82	10.2	2.02	11.0	2.22	11.8	2.50	12.5	2.84	13.3	3.04	13.8	3.16
	35.0	9.4	2.13	10.2	2.36	11.0	2.59	11.8	2.84	12.5	3.07	12.9	3.24	13.3	3.35
	40.0	9.4	2.50	10.2	2.73	11.0	2.96	11.4	3.27	11.9	3.35	12.3	3.44	12.7	3.53
	43.0	9.4	2.84	10.2	3.07	10.3	3.21	10.8	3.35	11.3	3.47	11.8	3.58	12.1	3.58

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	-10.0	9.0	0.91	9.7	1.08	10.4	1.21	11.2	1.38	11.9	1.49	12.7	1.60	13.4	1.71
	-5.0	9.0	0.94	9.7	1.10	10.4	1.24	11.2	1.44	11.9	1.55	12.7	1.66	13.4	1.77
	0.0	9.0	0.99	9.7	1.16	10.4	1.30	11.2	1.49	11.9	1.63	12.7	1.71	13.4	1.85
	5.0	9.0	1.05	9.7	1.21	10.4	1.38	11.2	1.57	11.9	1.68	12.7	1.82	13.4	1.96
	10.0	9.0	1.13	9.7	1.30	10.4	1.46	11.2	1.66	11.9	1.79	12.7	1.93	13.4	2.07
	15.0	9.0	1.24	9.7	1.42	10.4	1.60	11.2	1.77	11.9	1.93	12.7	2.10	13.4	2.26
	20.0	9.0	1.38	9.7	1.56	10.4	1.74	11.2	1.93	11.9	2.10	12.7	2.26	13.4	2.48
	25.0	9.0	1.55	9.7	1.74	10.4	1.93	11.2	2.15	11.9	2.32	12.7	2.48	13.4	2.87
	30.0	9.0	1.77	9.7	1.96	10.4	2.15	11.2	2.43	11.9	2.76	12.7	2.95	13.1	3.06
	35.0	9.0	2.07	9.7	2.29	10.4	2.51	11.2	2.76	11.9	2.98	12.3	3.15	12.7	3.26
	40.0	9.0	2.43	9.7	2.65	10.4	2.87	10.9	3.17	11.3	3.26	11.8	3.34	12.1	3.42
	43.0	9.0	2.76	9.7	2.98	9.9	3.12	10.3	3.26	10.8	3.37	11.2	3.48	11.6	3.53

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	-10.0	8.1	0.77	8.7	0.91	9.4	1.03	10.1	1.17	10.7	1.27	11.4	1.36	12.1	1.45
	-5.0	8.1	0.80	8.7	0.94	9.4	1.06	10.1	1.22	10.7	1.31	11.4	1.41	12.1	1.50
	0.0	8.1	0.84	8.7	0.99	9.4	1.10	10.1	1.27	10.7	1.38	11.4	1.45	12.1	1.57
	5.0	8.1	0.89	8.7	1.03	9.4	1.17	10.1	1.34	10.7	1.43	11.4	1.55	12.1	1.67
	10.0	8.1	0.96	8.7	1.10	9.4	1.24	10.1	1.41	10.7	1.52	11.4	1.64	12.1	1.76
	15.0	8.1	1.06	8.7	1.21	9.4	1.36	10.1	1.50	10.7	1.64	11.4	1.78	12.1	1.92
	20.0	8.1	1.17	8.7	1.33	9.4	1.48	10.1	1.64	10.7	1.78	11.4	1.92	12.1	2.11
	25.0	8.1	1.31	8.7	1.48	9.4	1.64	10.1	1.83	10.7	1.97	11.4	2.11	12.1	2.44
	30.0	8.1	1.50	8.7	1.67	9.4	1.83	10.1	2.06	10.7	2.35	11.4	2.51	11.8	2.60
	35.0	8.1	1.76	8.7	1.95	9.4	2.13	10.1	2.35	10.7	2.53	11.1	2.67	11.4	2.77
	40.0	8.1	2.06	8.7	2.25	9.4	2.44	9.8	2.70	10.2	2.77	10.6	2.84	10.9	2.91
	43.0	8.1	2.35	8.7	2.53	8.9	2.65	9.3	2.77	9.7	2.86	10.1	2.96	10.5	3.00



## 1. Capacity Ratio of Outdoor Unit

MINI VRF Capacity Ratio 50-130%

TC: Total capacity (kW), PI: Power input (kW)

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
80%	-10.0	7.2	0.65	7.8	0.76	8.4	0.86	9.0	0.98	9.6	1.06	10.2	1.14	10.8	1.21
	-5.0	7.2	0.67	7.8	0.78	8.4	0.88	9.0	1.02	9.6	1.10	10.2	1.18	10.8	1.25
	0.0	7.2	0.71	7.8	0.82	8.4	0.92	9.0	1.06	9.6	1.16	10.2	1.21	10.8	1.31
	5.0	7.2	0.74	7.8	0.86	8.4	0.98	9.0	1.12	9.6	1.20	10.2	1.29	10.8	1.39
	10.0	7.2	0.80	7.8	0.92	8.4	1.04	9.0	1.18	9.6	1.27	10.2	1.37	10.8	1.47
	15.0	7.2	0.88	7.8	1.01	8.4	1.14	9.0	1.25	9.6	1.37	10.2	1.49	10.8	1.61
	20.0	7.2	0.98	7.8	1.11	8.4	1.23	9.0	1.37	9.6	1.49	10.2	1.61	10.8	1.76
	25.0	7.2	1.10	7.8	1.23	8.4	1.37	9.0	1.53	9.6	1.65	10.2	1.76	10.8	2.04
	30.0	7.2	1.25	7.8	1.39	8.4	1.53	9.0	1.72	9.6	1.96	10.2	2.10	10.5	2.18
	35.0	7.2	1.47	7.8	1.63	8.4	1.78	9.0	1.96	9.6	2.12	9.9	2.23	10.1	2.31
	40.0	7.2	1.72	7.8	1.88	8.4	2.04	8.7	2.25	9.0	2.31	9.4	2.37	9.7	2.43
	43.0	7.2	1.96	7.8	2.12	7.9	2.21	8.2	2.31	8.6	2.39	9.0	2.47	9.3	2.51

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70%	-10.0	6.3	0.53	6.8	0.62	7.3	0.70	7.8	0.80	8.4	0.86	8.9	0.93	9.4	0.99
	-5.0	6.3	0.54	6.8	0.64	7.3	0.72	7.8	0.83	8.4	0.90	8.9	0.96	9.4	1.02
	0.0	6.3	0.58	6.8	0.67	7.3	0.75	7.8	0.86	8.4	0.94	8.9	0.99	9.4	1.07
	5.0	6.3	0.61	6.8	0.70	7.3	0.80	7.8	0.91	8.4	0.98	8.9	1.06	9.4	1.14
	10.0	6.3	0.66	6.8	0.75	7.3	0.85	7.8	0.96	8.4	1.04	8.9	1.12	9.4	1.20
	15.0	6.3	0.72	6.8	0.82	7.3	0.93	7.8	1.02	8.4	1.12	8.9	1.22	9.4	1.31
	20.0	6.3	0.80	6.8	0.90	7.3	1.01	7.8	1.12	8.4	1.22	8.9	1.31	9.4	1.44
	25.0	6.3	0.90	6.8	1.01	7.3	1.12	7.8	1.25	8.4	1.34	8.9	1.44	9.4	1.66
	30.0	6.3	1.02	6.8	1.14	7.3	1.25	7.8	1.41	8.4	1.60	8.9	1.71	9.2	1.78
	35.0	6.3	1.20	6.8	1.33	7.3	1.46	7.8	1.60	8.4	1.73	8.6	1.82	8.9	1.89
	40.0	6.3	1.41	6.8	1.54	7.3	1.66	7.6	1.84	7.9	1.89	8.2	1.94	8.5	1.98
	43.0	6.3	1.60	6.8	1.73	6.9	1.81	7.2	1.89	7.5	1.95	7.8	2.02	8.2	2.05

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
60%	-10.0	5.4	0.43	5.8	0.51	6.3	0.57	6.7	0.65	7.2	0.70	7.6	0.75	8.1	0.80
	-5.0	5.4	0.44	5.8	0.52	6.3	0.58	6.7	0.67	7.2	0.73	7.6	0.78	8.1	0.83
	0.0	5.4	0.47	5.8	0.54	6.3	0.61	6.7	0.70	7.2	0.77	7.6	0.80	8.1	0.87
	5.0	5.4	0.49	5.8	0.57	6.3	0.65	6.7	0.74	7.2	0.79	7.6	0.86	8.1	0.92
	10.0	5.4	0.53	5.8	0.61	6.3	0.69	6.7	0.78	7.2	0.84	7.6	0.91	8.1	0.97
	15.0	5.4	0.58	5.8	0.67	6.3	0.75	6.7	0.83	7.2	0.91	7.6	0.99	8.1	1.06
	20.0	5.4	0.65	5.8	0.73	6.3	0.82	6.7	0.91	7.2	0.99	7.6	1.06	8.1	1.17
	25.0	5.4	0.73	5.8	0.82	6.3	0.91	6.7	1.01	7.2	1.09	7.6	1.17	8.1	1.35
	30.0	5.4	0.83	5.8	0.92	6.3	1.01	6.7	1.14	7.2	1.30	7.6	1.39	7.9	1.44
	35.0	5.4	0.97	5.8	1.08	6.3	1.18	6.7	1.30	7.2	1.40	7.4	1.48	7.6	1.53
	40.0	5.4	1.14	5.8	1.25	6.3	1.35	6.5	1.49	6.8	1.53	7.1	1.57	7.3	1.61
	43.0	5.4	1.30	5.8	1.40	5.9	1.47	6.2	1.53	6.5	1.58	6.7	1.63	7.0	1.66

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
50%	-10.0	4.5	0.33	4.8	0.39	5.2	0.44	5.6	0.50	6.0	0.54	6.3	0.58	6.7	0.62
	-5.0	4.5	0.34	4.8	0.40	5.2	0.45	5.6	0.52	6.0	0.56	6.3	0.60	6.7	0.64
	0.0	4.5	0.36	4.8	0.42	5.2	0.47	5.6	0.54	6.0	0.59	6.3	0.62	6.7	0.67
	5.0	4.5	0.38	4.8	0.44	5.2	0.50	5.6	0.57	6.0	0.61	6.3	0.66	6.7	0.71
	10.0	4.5	0.41	4.8	0.47	5.2	0.53	5.6	0.60	6.0	0.65	6.3	0.70	6.7	0.75
	15.0	4.5	0.45	4.8	0.51	5.2	0.58	5.6	0.64	6.0	0.70	6.3	0.76	6.7	0.81
	20.0	4.5	0.50	4.8	0.56	5.2	0.63	5.6	0.70	6.0	0.76	6.3	0.81	6.7	0.89
	25.0	4.5	0.56	4.8	0.63	5.2	0.70	5.6	0.78	6.0	0.83	6.3	0.89	6.7	1.03
	30.0	4.5	0.64	4.8	0.71	5.2	0.78	5.6	0.87	6.0	0.99	6.3	1.06	6.6	1.10
	35.0	4.5	0.75	4.8	0.82	5.2	0.90	5.6	0.99	6.0	1.07	6.2	1.13	6.3	1.17
	40.0	4.5	0.87	4.8	0.95	5.2	1.03	5.4	1.14	5.7	1.17	5.9	1.20	6.0	1.23
	43.0	4.5	0.99	4.8	1.07	4.9	1.12	5.2	1.17	5.4	1.21	5.6	1.25	5.8	1.27

# 1. Capacity Ratio of Outdoor Unit

## 1-2. U-36LE1U6, U-36LE1U6E (Heating)

### MINI VRF Capacity Ratio 50-130%

TC: Total capacity (kW), PI: Power input (kW)

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20.0	9.9	3.25	9.6	3.22	9.3	3.19	9.2	3.13	9.0	3.10	8.8	3.04	8.5	2.98
	-14.7	-15.0	11.3	3.43	11.0	3.40	10.7	3.34	10.6	3.28	10.5	3.25	10.2	3.22	9.9	3.16
	-9.6	-10.0	12.9	3.58	12.6	3.55	12.3	3.52	12.1	3.46	11.9	3.40	11.6	3.37	11.4	3.34
	-4.4	-5.0	14.3	3.74	14.1	3.74	13.8	3.68	13.7	3.61	13.6	3.58	12.7	3.40	11.7	3.13
	-1.8	-2.5	15.0	3.74	14.7	3.74	14.6	3.68	14.1	3.61	13.6	3.46	12.7	3.22	11.7	2.95
	0.8	0.0	15.4	3.74	15.3	3.74	14.6	3.52	14.1	3.46	13.6	3.31	12.7	3.07	11.7	2.77
	2.8	2.0	15.7	3.74	15.5	3.74	14.6	3.37	14.1	3.31	13.6	3.19	12.7	2.92	11.7	2.62
	6.0	5.0	16.3	3.74	15.5	3.58	14.6	3.16	14.1	3.10	13.6	2.92	12.7	2.71	11.7	2.41
	7.0	6.0	16.4	3.74	15.5	3.52	14.6	3.07	14.1	3.01	13.6	2.86	12.7	2.62	11.7	2.32
	8.6	7.5	16.5	3.68	15.5	3.40	14.6	2.98	14.1	2.92	13.6	2.80	12.7	2.53	11.7	2.23
	11.2	10.0	16.5	3.49	15.5	3.19	14.6	2.80	14.1	2.74	13.6	2.62	12.7	2.35	11.7	2.05
	16.4	15.0	16.5	3.16	15.5	2.86	14.6	2.44	14.1	2.38	13.6	2.26	12.7	2.05	11.7	1.69

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp.: °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
120%	-19.8	-20.0	9.5	3.20	9.2	3.17	9.0	3.14	8.8	3.08	8.7	3.05	8.4	2.99	8.2	2.93
	-14.7	-15.0	10.9	3.38	10.6	3.35	10.3	3.29	10.2	3.23	10.1	3.20	9.8	3.17	9.5	3.11
	-9.6	-10.0	12.4	3.53	12.1	3.50	11.8	3.47	11.7	3.41	11.4	3.35	11.2	3.32	11.0	3.29
	-4.4	-5.0	13.9	3.70	13.6	3.67	13.3	3.62	13.2	3.56	13.1	3.53	12.2	3.35	11.3	3.08
	-1.8	-2.5	14.4	3.74	14.3	3.70	14.1	3.62	13.6	3.56	13.1	3.41	12.2	3.17	11.3	2.90
	0.8	0.0	15.0	3.74	14.8	3.74	14.1	3.47	13.6	3.41	13.1	3.26	12.2	3.02	11.3	2.73
	2.8	2.0	15.3	3.74	15.0	3.67	14.1	3.32	13.6	3.26	13.1	3.14	12.2	2.87	11.3	2.58
	6.0	5.0	15.8	3.74	15.0	3.53	14.1	3.11	13.6	3.05	13.1	2.87	12.2	2.67	11.3	2.37
	7.0	6.0	15.9	3.73	15.0	3.47	14.1	3.02	13.6	2.96	13.1	2.82	12.2	2.58	11.3	2.28
	8.6	7.5	15.9	3.62	15.0	3.35	14.1	2.93	13.6	2.87	13.1	2.76	12.2	2.49	11.3	2.19
	11.2	10.0	15.9	3.44	15.0	3.14	14.1	2.76	13.6	2.70	13.1	2.58	12.2	2.31	11.3	2.02
	16.4	15.0	15.9	3.11	15.0	2.82	14.1	2.40	13.6	2.34	13.1	2.22	12.2	2.02	11.3	1.66

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
110%	-19.8	-20.0	9.2	3.16	8.9	3.13	8.7	3.10	8.5	3.04	8.4	3.01	8.1	2.95	7.9	2.89
	-14.7	-15.0	10.5	3.33	10.2	3.30	10.0	3.24	9.8	3.19	9.7	3.16	9.5	3.13	9.2	3.07
	-9.6	-10.0	11.9	3.48	11.7	3.45	11.4	3.42	11.3	3.36	11.0	3.30	10.8	3.27	10.6	3.24
	-4.4	-5.0	13.4	3.65	13.1	3.62	12.9	3.57	12.7	3.51	12.7	3.48	11.8	3.30	10.9	3.04
	-1.8	-2.5	14.0	3.71	13.8	3.65	13.6	3.57	13.1	3.51	12.7	3.36	11.8	3.13	10.9	2.86
	0.8	0.0	14.6	3.74	14.4	3.74	13.6	3.42	13.1	3.36	12.7	3.22	11.8	2.98	10.9	2.69
	2.8	2.0	14.8	3.74	14.4	3.62	13.6	3.27	13.1	3.22	12.7	3.10	11.8	2.84	10.9	2.54
	6.0	5.0	15.4	3.74	14.4	3.48	13.6	3.07	13.1	3.01	12.7	2.84	11.8	2.63	10.9	2.34
	7.0	6.0	15.4	3.68	14.4	3.42	13.6	2.98	13.1	2.92	12.7	2.78	11.8	2.54	10.9	2.25
	8.6	7.5	15.4	3.57	14.4	3.30	13.6	2.89	13.1	2.84	12.7	2.72	11.8	2.46	10.9	2.16
	11.2	10.0	15.4	3.39	14.4	3.10	13.6	2.72	13.1	2.66	12.7	2.54	11.8	2.28	10.9	1.99
	16.4	15.0	15.4	3.07	14.4	2.78	13.6	2.37	13.1	2.31	12.7	2.19	11.8	1.99	10.9	1.64

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
100%	-19.8	-20.0	8.8	3.11	8.5	3.08	8.3	3.05	8.1	3.00	8.0	2.97	7.8	2.91	7.5	2.85
	-14.7	-15.0	10.0	3.28	9.8	3.25	9.5	3.20	9.4	3.14	9.3	3.11	9.0	3.08	8.8	3.02
	-9.6	-10.0	11.4	3.43	11.1	3.40	10.9	3.37	10.8	3.31	10.5	3.25	10.3	3.23	10.1	3.20
	-4.4	-5.0	12.8	3.60	12.5	3.57	12.3	3.51	12.1	3.46	12.1	3.43	11.3	3.25	10.4	3.00
	-1.8	-2.5	13.4	3.66	13.1	3.60	12.9	3.51	12.5	3.46	12.1	3.31	11.3	3.08	10.4	2.82
	0.8	0.0	14.0	3.74	13.8	3.69	12.9	3.37	12.5	3.31	12.1	3.17	11.3	2.94	10.4	2.65
	2.8	2.0	14.3	3.74	13.8	3.57	12.9	3.23	12.5	3.17	12.1	3.05	11.3	2.79	10.4	2.51
	6.0	5.0	14.6	3.69	13.8	3.43	12.9	3.02	12.5	2.97	12.1	2.79	11.3	2.59	10.4	2.30
	7.0	6.0	14.6	3.63	13.8	3.37	12.9	2.94	12.5	2.88	12.1	2.74	11.3	2.51	10.4	2.22
	8.6	7.5	14.6	3.51	13.8	3.25	12.9	2.85	12.5	2.79	12.1	2.68	11.3	2.42	10.4	2.13
	11.2	10.0	14.6	3.34	13.8	3.05	12.9	2.68	12.5	2.62	12.1	2.51	11.3	2.25	10.4	1.96
	16.4	15.0	14.6	3.02	13.8	2.74	12.9	2.33	12.5	2.28	12.1	2.16	11.3	1.96	10.4	1.61

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-19.8	-20.0	7.9	2.74	7.7	2.71	7.4	2.69	7.3	2.64	7.2	2.61	7.0	2.56	6.8	2.51
	-14.7	-15.0	9.0	2.89	8.8	2.86	8.6	2.81	8.4	2.76	8.3	2.74	8.1	2.71	7.9	2.66
	-9.6	-10.0	10.2	3.02	10.0	2.99	9.8	2.97	9.7	2.91	9.5	2.86	9.2	2.84	9.1	2.81
	-4.4	-5.0	11.5	3.17	11.3	3.14	11.0	3.09	10.9	3.04	10.9	3.02	10.1	2.86	9.3	2.64
	-1.8	-2.5	12.0	3.22	11.8	3.17	11.6	3.09	11.3	3.04	10.9	2.91	10.1	2.71	9.3	2.48
	0.8	0.0	12.6	3.29	12.4	3.24	11.6	2.97	11.3	2.91	10.9	2.79	10.1	2.59	9.3	2.33
	2.8	2.0	12.8	3.29	12.4	3.14	11.6	2.84	11.3	2.79	10.9	2.69	10.1	2.46	9.3	2.20
	6.0	5.0	13.2	3.24	12.4	3.02	11.6	2.66	11.3	2.61	10.9	2.46	10.1	2.28	9.3	2.03
	7.0	6.0	13.2	3.19	12.4	2.97	11.6	2.59	11.3	2.53	10.9	2.41	10.1	2.20	9.3	1.95
	8.6	7.5	13.2	3.09	12.4	2.86	11.6	2.51	11.3	2.46	10.9	2.36	10.1	2.13	9.3	1.88
	11.2	10.0	13.2	2.94	12.4	2.69	11.6	2.36	11.3	2.31	10.9	2.20	10.1	1.98	9.3	1.72
16.4	15.0	13.2	2.66	12.4	2.41	11.6	2.05	11.3	2.00	10.9	1.90	10.1	1.72	9.3	1.42	

## 1. Capacity Ratio of Outdoor Unit

## MINI VRF Capacity Ratio 50-130%

TC: Total capacity (kW), PI: Power input (kW)

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp.: °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
80%	-19.8	-20.0	7.0	2.36	6.8	2.34	6.6	2.32	6.5	2.28	6.4	2.25	6.2	2.21	6.0	2.17
	-14.7	-15.0	8.0	2.50	7.8	2.47	7.6	2.43	7.5	2.39	7.4	2.36	7.2	2.34	7.0	2.30
	-9.6	-10.0	9.1	2.60	8.9	2.58	8.7	2.56	8.6	2.52	8.4	2.47	8.2	2.45	8.1	2.43
	-4.4	-5.0	10.2	2.74	10.0	2.71	9.8	2.67	9.7	2.63	9.7	2.60	9.0	2.47	8.3	2.28
	-1.8	-2.5	10.7	2.78	10.5	2.74	10.4	2.67	10.0	2.63	9.7	2.52	9.0	2.34	8.3	2.15
	0.8	0.0	11.2	2.85	11.0	2.80	10.4	2.56	10.0	2.52	9.7	2.41	9.0	2.23	8.3	2.01
	2.8	2.0	11.4	2.85	11.0	2.71	10.4	2.45	10.0	2.41	9.7	2.32	9.0	2.12	8.3	1.90
	6.0	5.0	11.7	2.80	11.0	2.60	10.4	2.30	10.0	2.25	9.7	2.12	9.0	1.97	8.3	1.75
	7.0	6.0	11.7	2.76	11.0	2.56	10.4	2.23	10.0	2.19	9.7	2.08	9.0	1.90	8.3	1.69
	8.6	7.5	11.7	2.67	11.0	2.47	10.4	2.17	10.0	2.12	9.7	2.04	9.0	1.84	8.3	1.62
	11.2	10.0	11.7	2.54	11.0	2.32	10.4	2.04	10.0	1.99	9.7	1.90	9.0	1.71	8.3	1.49
	16.4	15.0	11.7	2.30	11.0	2.08	10.4	1.77	10.0	1.73	9.7	1.64	9.0	1.49	8.3	1.23

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp.: °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.8	-20.0	6.1	1.99	6.0	1.97	5.8	1.95	5.7	1.92	5.6	1.90	5.4	1.86	5.3	1.82
	-14.7	-15.0	7.0	2.10	6.8	2.08	6.7	2.05	6.6	2.01	6.5	1.99	6.3	1.97	6.1	1.94
	-9.6	-10.0	8.0	2.19	7.8	2.17	7.6	2.16	7.5	2.12	7.4	2.08	7.2	2.06	7.1	2.05
	-4.4	-5.0	8.9	2.30	8.8	2.29	8.6	2.25	8.5	2.21	8.4	2.19	7.9	2.08	7.3	1.92
	-1.8	-2.5	9.4	2.34	9.2	2.30	9.1	2.25	8.8	2.21	8.4	2.12	7.9	1.97	7.3	1.81
	0.8	0.0	9.8	2.40	9.6	2.36	9.1	2.16	8.8	2.12	8.4	2.03	7.9	1.88	7.3	1.70
	2.8	2.0	10.0	2.40	9.6	2.29	9.1	2.06	8.8	2.03	8.4	1.95	7.9	1.79	7.3	1.60
	6.0	5.0	10.2	2.36	9.6	2.19	9.1	1.94	8.8	1.90	8.4	1.79	7.9	1.66	7.3	1.47
	7.0	6.0	10.2	2.32	9.6	2.16	9.1	1.88	8.8	1.84	8.4	1.75	7.9	1.60	7.3	1.42
	8.6	7.5	10.2	2.25	9.6	2.08	9.1	1.82	8.8	1.79	8.4	1.71	7.9	1.55	7.3	1.36
	11.2	10.0	10.2	2.14	9.6	1.95	9.1	1.71	8.8	1.68	8.4	1.60	7.9	1.44	7.3	1.25
	16.4	15.0	10.2	1.94	9.6	1.75	9.1	1.49	8.8	1.46	8.4	1.38	7.9	1.25	7.3	1.03

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp.: °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
60%	-19.8	-20.0	5.3	1.68	5.1	1.66	5.0	1.65	4.9	1.62	4.8	1.60	4.7	1.57	4.5	1.54
	-14.7	-15.0	6.0	1.77	5.9	1.76	5.7	1.73	5.6	1.70	5.6	1.68	5.4	1.66	5.3	1.63
	-9.6	-10.0	6.8	1.85	6.7	1.84	6.5	1.82	6.5	1.79	6.3	1.76	6.2	1.74	6.1	1.73
	-4.4	-5.0	7.7	1.94	7.5	1.93	7.4	1.90	7.3	1.87	7.2	1.85	6.8	1.76	6.2	1.62
	-1.8	-2.5	8.0	1.98	7.9	1.94	7.8	1.90	7.5	1.87	7.2	1.79	6.8	1.66	6.2	1.52
	0.8	0.0	8.4	2.02	8.3	1.99	7.8	1.82	7.5	1.79	7.2	1.71	6.8	1.59	6.2	1.43
	2.8	2.0	8.6	2.02	8.3	1.93	7.8	1.74	7.5	1.71	7.2	1.65	6.8	1.51	6.2	1.35
	6.0	5.0	8.8	1.99	8.3	1.85	7.8	1.63	7.5	1.60	7.2	1.51	6.8	1.40	6.2	1.24
	7.0	6.0	8.8	1.96	8.3	1.82	7.8	1.59	7.5	1.56	7.2	1.48	6.8	1.35	6.2	1.20
	8.6	7.5	8.8	1.90	8.3	1.76	7.8	1.54	7.5	1.51	7.2	1.45	6.8	1.31	6.2	1.15
	11.2	10.0	8.8	1.80	8.3	1.65	7.8	1.45	7.5	1.42	7.2	1.35	6.8	1.21	6.2	1.06
	16.4	15.0	8.8	1.63	8.3	1.48	7.8	1.26	7.5	1.23	7.2	1.17	6.8	1.06	6.2	0.87

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp.: °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-19.8	-20.0	4.4	1.37	4.3	1.36	4.1	1.34	4.1	1.32	4.0	1.31	3.9	1.28	3.8	1.25
	-14.7	-15.0	5.0	1.44	4.9	1.43	4.8	1.41	4.7	1.38	4.6	1.37	4.5	1.36	4.4	1.33
	-9.6	-10.0	5.7	1.51	5.6	1.50	5.4	1.48	5.4	1.46	5.3	1.43	5.1	1.42	5.1	1.41
	-4.4	-5.0	6.4	1.58	6.3	1.57	6.1	1.55	6.1	1.52	6.0	1.51	5.6	1.43	5.2	1.32
	-1.8	-2.5	6.7	1.61	6.6	1.58	6.5	1.55	6.3	1.52	6.0	1.46	5.6	1.36	5.2	1.24
	0.8	0.0	7.0	1.65	6.9	1.62	6.5	1.48	6.3	1.46	6.0	1.39	5.6	1.29	5.2	1.17
	2.8	2.0	7.1	1.65	6.9	1.57	6.5	1.42	6.3	1.39	6.0	1.34	5.6	1.23	5.2	1.10
	6.0	5.0	7.3	1.62	6.9	1.51	6.5	1.33	6.3	1.31	6.0	1.23	5.6	1.14	5.2	1.01
	7.0	6.0	7.3	1.60	6.9	1.48	6.5	1.29	6.3	1.27	6.0	1.20	5.6	1.10	5.2	0.98
	8.6	7.5	7.3	1.55	6.9	1.43	6.5	1.25	6.3	1.23	6.0	1.18	5.6	1.06	5.2	0.94
	11.2	10.0	7.3	1.47	6.9	1.34	6.5	1.18	6.3	1.15	6.0	1.10	5.6	0.99	5.2	0.86
	16.4	15.0	7.3	1.33	6.9	1.20	6.5	1.03	6.3	1.00	6.0	0.95	5.6	0.86	5.2	0.71

# 1. Capacity Ratio of Outdoor Unit

## 1-3. U-52LE1U6, U-52LE1U6E (Cooling)

### MINI VRF Capacity Ratio 50-130%

TC: Total capacity (kW), PI: Power input (kW)

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
130%	-10.0	14.0	1.64	15.2	1.94	16.3	2.19	17.5	2.49	18.7	2.59	19.8	2.89	21.0	3.09
	-5.0	14.0	1.69	15.2	1.99	16.3	2.24	17.5	2.59	18.7	2.74	19.8	3.04	21.0	3.19
	0.0	14.0	1.79	15.2	2.09	16.3	2.34	17.5	2.69	18.7	2.94	19.8	3.23	21.0	3.33
	5.0	14.0	1.89	15.2	2.19	16.3	2.49	17.5	2.84	18.7	3.14	19.8	3.43	21.0	3.53
	10.0	14.0	2.04	15.2	2.34	16.3	2.64	17.5	2.99	18.7	3.28	19.8	3.63	21.0	3.73
	15.0	14.0	2.24	15.2	2.56	16.3	2.89	17.5	3.19	18.7	3.63	19.8	3.98	21.0	4.08
	20.0	14.0	2.49	15.2	2.81	16.3	3.14	17.5	3.48	18.7	3.98	19.8	4.33	21.0	4.48
	25.0	14.0	2.79	15.2	3.14	16.3	3.48	17.5	3.88	18.7	4.48	19.8	4.83	20.7	4.78
	30.0	14.0	3.19	15.2	3.53	16.3	3.88	17.5	4.38	18.7	4.68	19.6	4.88	20.3	5.08
	35.0	14.0	3.73	15.2	4.13	16.3	4.53	17.5	4.98	18.2	5.08	18.9	5.23	19.6	5.37
	40.0	14.0	4.38	15.2	4.78	16.3	5.18	15.8	5.33	17.0	5.37	17.9	5.52	18.4	5.72
	43.0	14.0	4.98	14.0	5.28	14.0	5.37	14.0	5.47	15.8	5.62	16.8	5.72	17.5	5.87

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
120%	-10.0	13.5	1.60	14.6	1.89	15.7	2.13	16.9	2.42	18.0	2.52	19.1	2.81	20.2	3.01
	-5.0	13.5	1.65	14.6	1.94	15.7	2.18	16.9	2.52	18.0	2.67	19.1	2.96	20.2	3.10
	0.0	13.5	1.75	14.6	2.04	15.7	2.28	16.9	2.62	18.0	2.86	19.1	3.15	20.2	3.25
	5.0	13.5	1.84	14.6	2.13	15.7	2.42	16.9	2.76	18.0	3.05	19.1	3.35	20.2	3.44
	10.0	13.5	1.99	14.6	2.28	15.7	2.57	16.9	2.91	18.0	3.20	19.1	3.54	20.2	3.64
	15.0	13.5	2.18	14.6	2.50	15.7	2.81	16.9	3.10	18.0	3.54	19.1	3.88	20.2	3.98
	20.0	13.5	2.42	14.6	2.74	15.7	3.05	16.9	3.39	18.0	3.88	19.1	4.22	20.2	4.36
	25.0	13.5	2.72	14.6	3.05	15.7	3.39	16.9	3.78	18.0	4.36	19.1	4.70	19.9	4.65
	30.0	13.5	3.10	14.6	3.44	15.7	3.78	16.9	4.27	18.0	4.56	18.9	4.75	19.6	4.95
	35.0	13.5	3.64	14.6	4.02	15.7	4.41	16.9	4.85	17.5	4.95	18.2	5.09	18.9	5.24
	40.0	13.5	4.27	14.6	4.65	15.7	5.04	15.2	5.19	16.4	5.24	17.2	5.38	17.7	5.58
	43.0	13.5	4.85	13.5	5.14	13.5	5.24	13.5	5.33	15.2	5.48	16.2	5.58	16.9	5.72

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
110%	-10.0	13.0	1.55	14.1	1.84	15.2	2.07	16.3	2.35	17.3	2.45	18.4	2.73	19.5	2.92
	-5.0	13.0	1.60	14.1	1.88	15.2	2.12	16.3	2.45	17.3	2.59	18.4	2.87	19.5	3.01
	0.0	13.0	1.69	14.1	1.98	15.2	2.21	16.3	2.54	17.3	2.78	18.4	3.06	19.5	3.15
	5.0	13.0	1.79	14.1	2.07	15.2	2.35	16.3	2.68	17.3	2.97	18.4	3.25	19.5	3.34
	10.0	13.0	1.93	14.1	2.21	15.2	2.49	16.3	2.82	17.3	3.11	18.4	3.44	19.5	3.53
	15.0	13.0	2.12	14.1	2.42	15.2	2.73	16.3	3.01	17.3	3.44	18.4	3.77	19.5	3.86
	20.0	13.0	2.35	14.1	2.66	15.2	2.97	16.3	3.29	17.3	3.77	18.4	4.10	19.5	4.24
	25.0	13.0	2.64	14.1	2.97	15.2	3.29	16.3	3.67	17.3	4.24	18.4	4.57	19.2	4.52
	30.0	13.0	3.01	14.1	3.34	15.2	3.67	16.3	4.14	17.3	4.42	18.2	4.61	18.9	4.80
	35.0	13.0	3.53	14.1	3.91	15.2	4.28	16.3	4.71	16.9	4.80	17.6	4.94	18.2	5.08
	40.0	13.0	4.14	14.1	4.52	15.2	4.90	14.6	5.04	15.8	5.08	16.6	5.22	17.1	5.41
	43.0	13.0	4.71	13.0	4.99	13.0	5.08	13.0	5.18	14.6	5.32	15.6	5.41	16.3	5.55

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
100%	-10.0	12.4	1.51	13.4	1.78	14.5	2.01	15.5	2.29	16.5	2.38	17.6	2.65	18.6	2.83
	-5.0	12.4	1.55	13.4	1.83	14.5	2.06	15.5	2.38	16.5	2.51	17.6	2.79	18.6	2.92
	0.0	12.4	1.65	13.4	1.92	14.5	2.15	15.5	2.47	16.5	2.70	17.6	2.97	18.6	3.06
	5.0	12.4	1.74	13.4	2.01	14.5	2.29	15.5	2.60	16.5	2.88	17.6	3.15	18.6	3.24
	10.0	12.4	1.87	13.4	2.15	14.5	2.42	15.5	2.74	16.5	3.02	17.6	3.34	18.6	3.43
	15.0	12.4	2.06	13.4	2.35	14.5	2.65	15.5	2.92	16.5	3.34	17.6	3.66	18.6	3.75
	20.0	12.4	2.29	13.4	2.58	14.5	2.88	15.5	3.20	16.5	3.66	17.6	3.98	18.6	4.11
	25.0	12.4	2.56	13.4	2.88	14.5	3.20	15.5	3.56	16.5	4.11	17.6	4.43	18.3	4.39
	30.0	12.4	2.92	13.4	3.24	14.5	3.56	15.5	4.02	16.5	4.30	17.4	4.48	18.0	4.66
	35.0	12.4	3.43	13.4	3.79	14.5	4.16	15.5	4.57	16.1	4.66	16.7	4.80	17.4	4.94
	40.0	12.4	4.02	13.4	4.39	14.5	4.75	14.0	4.89	15.0	4.94	15.8	5.07	16.3	5.26
	43.0	12.4	4.57	12.4	4.84	12.4	4.94	12.4	5.03	14.0	5.16	14.9	5.26	15.5	5.39

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
90%	-10.0	11.2	1.27	12.1	1.50	13.0	1.69	14.0	1.92	14.9	2.00	15.8	2.23	16.7	2.38
	-5.0	11.2	1.31	12.1	1.54	13.0	1.73	14.0	2.00	14.9	2.11	15.8	2.34	16.7	2.46
	0.0	11.2	1.38	12.1	1.61	13.0	1.80	14.0	2.07	14.9	2.26	15.8	2.50	16.7	2.57
	5.0	11.2	1.46	12.1	1.69	13.0	1.92	14.0	2.19	14.9	2.42	15.8	2.65	16.7	2.73
	10.0	11.2	1.57	12.1	1.80	13.0	2.03	14.0	2.30	14.9	2.53	15.8	2.80	16.7	2.88
	15.0	11.2	1.73	12.1	1.98	13.0	2.23	14.0	2.46	14.9	2.80	15.8	3.07	16.7	3.15
	20.0	11.2	1.92	12.1	2.17	13.0	2.42	14.0	2.69	14.9	3.07	15.8	3.34	16.7	3.45
	25.0	11.2	2.15	12.1	2.42	13.0	2.69	14.0	2.99	14.9	3.45	15.8	3.72	16.5	3.69
	30.0	11.2	2.46	12.1	2.73	13.0	2.99	14.0	3.38	14.9	3.61	15.6	3.76	16.2	3.92
	35.0	11.2	2.88	12.1	3.19	13.0	3.49	14.0	3.84	14.5	3.92	15.1	4.03	15.6	4.15
	40.0	11.2	3.38	12.1	3.69	13.0	3.99	12.6	4.11	13.5	4.15	14.2	4.26	14.6	4.41
	43.0	11.2	3.84	11.2	4.07	11.2	4.15	11.2	4.22	12.6	4.34	13.4	4.41	14.0	4.53

## 1. Capacity Ratio of Outdoor Unit

## MINI VRF Capacity Ratio 50-130%

TC: Total capacity (kW), PI: Power input (kW)

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
80%	-10.0	9.9	1.03	10.7	1.21	11.6	1.37	12.4	1.55	13.2	1.62	14.0	1.80	14.9	1.93
	-5.0	9.9	1.06	10.7	1.24	11.6	1.40	12.4	1.62	13.2	1.71	14.0	1.90	14.9	1.99
	0.0	9.9	1.12	10.7	1.31	11.6	1.46	12.4	1.68	13.2	1.83	14.0	2.02	14.9	2.08
	5.0	9.9	1.18	10.7	1.37	11.6	1.55	12.4	1.77	13.2	1.96	14.0	2.14	14.9	2.21
	10.0	9.9	1.27	10.7	1.46	11.6	1.65	12.4	1.86	13.2	2.05	14.0	2.27	14.9	2.33
	15.0	9.9	1.40	10.7	1.60	11.6	1.80	12.4	1.99	13.2	2.27	14.0	2.49	14.9	2.55
	20.0	9.9	1.55	10.7	1.76	11.6	1.96	12.4	2.18	13.2	2.49	14.0	2.70	14.9	2.80
	25.0	9.9	1.74	10.7	1.96	11.6	2.18	12.4	2.42	13.2	2.80	14.0	3.01	14.6	2.98
	30.0	9.9	1.99	10.7	2.21	11.6	2.42	12.4	2.73	13.2	2.92	13.9	3.05	14.4	3.17
	35.0	9.9	2.33	10.7	2.58	11.6	2.83	12.4	3.11	12.9	3.17	13.4	3.26	13.9	3.36
	40.0	9.9	2.73	10.7	2.98	11.6	3.23	11.2	3.33	12.0	3.36	12.6	3.45	13.0	3.57
	43.0	9.9	3.11	9.9	3.29	9.9	3.36	9.9	3.42	11.2	3.51	11.9	3.57	12.4	3.67

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
70%	-10.0	8.7	0.83	9.4	0.98	10.1	1.11	10.9	1.26	11.6	1.31	12.3	1.46	13.0	1.56
	-5.0	8.7	0.85	9.4	1.01	10.1	1.13	10.9	1.31	11.6	1.38	12.3	1.53	13.0	1.61
	0.0	8.7	0.90	9.4	1.06	10.1	1.18	10.9	1.36	11.6	1.48	12.3	1.63	13.0	1.68
	5.0	8.7	0.96	9.4	1.11	10.1	1.26	10.9	1.43	11.6	1.58	12.3	1.73	13.0	1.78
	10.0	8.7	1.03	9.4	1.18	10.1	1.33	10.9	1.51	11.6	1.66	12.3	1.83	13.0	1.89
	15.0	8.7	1.13	9.4	1.29	10.1	1.46	10.9	1.61	11.6	1.83	12.3	2.01	13.0	2.06
	20.0	8.7	1.26	9.4	1.42	10.1	1.58	10.9	1.76	11.6	2.01	12.3	2.19	13.0	2.26
	25.0	8.7	1.41	9.4	1.58	10.1	1.76	10.9	1.96	11.6	2.26	12.3	2.44	12.8	2.41
	30.0	8.7	1.61	9.4	1.78	10.1	1.96	10.9	2.21	11.6	2.36	12.2	2.46	12.6	2.56
	35.0	8.7	1.89	9.4	2.09	10.1	2.29	10.9	2.51	11.3	2.56	11.7	2.64	12.2	2.71
	40.0	8.7	2.21	9.4	2.41	10.1	2.61	9.8	2.69	10.5	2.71	11.1	2.79	11.4	2.89
	43.0	8.7	2.51	8.7	2.66	8.7	2.71	8.7	2.76	9.8	2.84	10.4	2.89	10.9	2.97

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
60%	-10.0	7.4	0.68	8.1	0.80	8.7	0.90	9.3	1.03	9.9	1.07	10.5	1.19	11.2	1.28
	-5.0	7.4	0.70	8.1	0.82	8.7	0.93	9.3	1.07	9.9	1.13	10.5	1.25	11.2	1.32
	0.0	7.4	0.74	8.1	0.86	8.7	0.97	9.3	1.11	9.9	1.21	10.5	1.34	11.2	1.38
	5.0	7.4	0.78	8.1	0.90	8.7	1.03	9.3	1.17	9.9	1.30	10.5	1.42	11.2	1.46
	10.0	7.4	0.84	8.1	0.97	8.7	1.09	9.3	1.23	9.9	1.36	10.5	1.50	11.2	1.54
	15.0	7.4	0.93	8.1	1.06	8.7	1.19	9.3	1.32	9.9	1.50	10.5	1.65	11.2	1.69
	20.0	7.4	1.03	8.1	1.16	8.7	1.30	9.3	1.44	9.9	1.65	10.5	1.79	11.2	1.85
	25.0	7.4	1.15	8.1	1.30	8.7	1.44	9.3	1.60	9.9	1.85	10.5	1.99	11.0	1.97
	30.0	7.4	1.32	8.1	1.46	8.7	1.60	9.3	1.81	9.9	1.93	10.4	2.02	10.8	2.10
	35.0	7.4	1.54	8.1	1.71	8.7	1.87	9.3	2.06	9.7	2.10	10.0	2.16	10.4	2.22
	40.0	7.4	1.81	8.1	1.97	8.7	2.14	8.4	2.20	9.0	2.22	9.5	2.28	9.8	2.36
	43.0	7.4	2.06	7.4	2.18	7.4	2.22	7.4	2.26	8.4	2.32	8.9	2.36	9.3	2.43

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp. °CDB	Indoor air temp. : °CWB													
		16.0		17.0		18.0		19.0		20.0		21.0		22.0	
		TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW	TC kW	PI kW
50%	-10.0	6.2	0.52	6.7	0.62	7.2	0.70	7.8	0.79	8.3	0.82	8.8	0.92	9.3	0.98
	-5.0	6.2	0.54	6.7	0.63	7.2	0.71	7.8	0.82	8.3	0.87	8.8	0.96	9.3	1.01
	0.0	6.2	0.57	6.7	0.66	7.2	0.74	7.8	0.85	8.3	0.93	8.8	1.03	9.3	1.06
	5.0	6.2	0.60	6.7	0.70	7.2	0.79	7.8	0.90	8.3	1.00	8.8	1.09	9.3	1.12
	10.0	6.2	0.65	6.7	0.74	7.2	0.84	7.8	0.95	8.3	1.04	8.8	1.15	9.3	1.19
	15.0	6.2	0.71	6.7	0.81	7.2	0.92	7.8	1.01	8.3	1.15	8.8	1.26	9.3	1.30
	20.0	6.2	0.79	6.7	0.89	7.2	1.00	7.8	1.11	8.3	1.26	8.8	1.38	9.3	1.42
	25.0	6.2	0.89	6.7	1.00	7.2	1.11	7.8	1.23	8.3	1.42	8.8	1.53	9.1	1.52
	30.0	6.2	1.01	6.7	1.12	7.2	1.23	7.8	1.39	8.3	1.49	8.7	1.55	9.0	1.61
	35.0	6.2	1.19	6.7	1.31	7.2	1.44	7.8	1.58	8.1	1.61	8.4	1.66	8.7	1.71
	40.0	6.2	1.39	6.7	1.52	7.2	1.64	7.0	1.69	7.5	1.71	7.9	1.76	8.1	1.82
	43.0	6.2	1.58	6.2	1.68	6.2	1.71	6.2	1.74	7.0	1.79	7.4	1.82	7.8	1.87



# 1. Capacity Ratio of Outdoor Unit

## 1-4. U-52LE1U6, U-52LE1U6E (Heating)

### MINI VRF Capacity Ratio 50-130%

TC: Total capacity (kW), PI: Power input (kW)

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
130%	-19.8	-20.0	12.1	4.31	11.7	4.22	11.3	4.12	11.1	4.07	10.7	4.00	10.3	3.88	9.7	3.74
	-14.7	-15.0	14.1	4.65	13.7	4.50	13.3	4.41	13.1	4.36	12.9	4.29	12.5	4.17	11.7	4.02
	-9.6	-10.0	16.1	4.93	15.7	4.79	15.3	4.69	15.1	4.65	14.9	4.58	14.5	4.46	13.7	4.31
	-4.4	-5.0	18.3	5.17	17.9	5.08	17.7	4.98	17.1	4.93	16.9	4.86	16.5	4.74	15.5	4.60
	-1.8	-2.5	19.1	5.32	18.7	5.22	18.3	5.13	18.1	5.08	17.9	5.01	17.5	4.84	16.5	4.69
	0.8	0.0	20.3	5.46	19.9	5.32	19.3	5.22	19.1	5.17	18.9	5.10	17.9	4.93	16.5	4.41
	2.8	2.0	21.1	5.61	20.7	5.46	20.1	5.37	19.9	5.27	19.2	5.20	17.9	4.65	16.5	4.12
	6.0	5.0	22.5	5.80	21.9	5.70	20.6	5.27	19.9	4.93	19.2	4.69	17.9	4.31	16.5	3.83
	7.0	6.0	22.9	5.84	21.9	5.56	20.6	5.03	19.9	4.79	19.2	4.55	17.9	4.17	16.5	3.69
	8.6	7.5	23.3	5.89	21.9	5.37	20.6	4.89	19.9	4.65	19.2	4.41	17.9	4.02	16.5	3.55
	11.2	10.0	23.3	5.61	21.9	5.08	20.6	4.60	19.9	4.36	19.2	4.12	17.9	3.74	16.5	3.21
	16.4	15.0	23.3	5.03	21.9	4.55	20.6	4.02	19.9	3.78	19.2	3.55	17.9	3.16	16.5	2.68

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
120%	-19.8	-20.0	11.7	4.24	11.3	4.15	10.9	4.05	10.7	4.01	10.3	3.94	10.0	3.82	9.4	3.68
	-14.7	-15.0	13.6	4.57	13.2	4.43	12.8	4.34	12.6	4.29	12.4	4.22	12.1	4.10	11.3	3.96
	-9.6	-10.0	15.5	4.85	15.1	4.71	14.7	4.62	14.6	4.57	14.4	4.50	14.0	4.38	13.2	4.24
	-4.4	-5.0	17.6	5.09	17.2	5.00	17.0	4.90	16.5	4.85	16.3	4.78	15.9	4.67	14.9	4.52
	-1.8	-2.5	18.4	5.23	18.0	5.14	17.6	5.04	17.4	5.00	17.2	4.92	16.9	4.76	15.9	4.62
	0.8	0.0	19.5	5.37	19.1	5.23	18.6	5.14	18.4	5.09	18.2	5.02	17.2	4.85	15.9	4.34
	2.8	2.0	20.3	5.51	19.9	5.37	19.3	5.28	19.1	5.18	18.5	5.11	17.2	4.57	15.9	4.05
	6.0	5.0	21.6	5.70	21.1	5.61	19.8	5.18	19.1	4.85	18.5	4.62	17.2	4.24	15.9	3.77
	7.0	6.0	22.0	5.75	21.1	5.47	19.8	4.95	19.1	4.71	18.5	4.48	17.2	4.10	15.9	3.63
	8.6	7.5	22.4	5.80	21.1	5.28	19.8	4.81	19.1	4.57	18.5	4.34	17.2	3.96	15.9	3.49
	11.2	10.0	22.4	5.51	21.1	5.00	19.8	4.52	19.1	4.29	18.5	4.05	17.2	3.68	15.9	3.16
	16.4	15.0	22.4	4.95	21.1	4.48	19.8	3.96	19.1	3.72	18.5	3.49	17.2	3.11	15.9	2.64

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
110%	-19.8	-20.0	11.3	4.18	10.9	4.09	10.5	4.00	10.3	3.95	10.0	3.88	9.6	3.77	9.1	3.63
	-14.7	-15.0	13.1	4.51	12.8	4.37	12.4	4.28	12.2	4.23	12.0	4.16	11.6	4.04	10.9	3.90
	-9.6	-10.0	15.0	4.79	14.6	4.65	14.2	4.56	14.0	4.51	13.9	4.44	13.5	4.32	12.8	4.18
	-4.4	-5.0	17.0	5.02	16.6	4.93	16.4	4.83	15.9	4.79	15.7	4.72	15.3	4.60	14.4	4.46
	-1.8	-2.5	17.7	5.16	17.4	5.07	17.0	4.97	16.8	4.93	16.6	4.86	16.3	4.70	15.3	4.56
	0.8	0.0	18.8	5.30	18.5	5.16	17.9	5.07	17.7	5.02	17.6	4.95	16.6	4.79	15.3	4.28
	2.8	2.0	19.6	5.44	19.2	5.30	18.7	5.21	18.5	5.11	17.8	5.04	16.6	4.51	15.3	4.00
	6.0	5.0	20.9	5.62	20.3	5.53	19.1	5.11	18.5	4.79	17.8	4.56	16.6	4.18	15.3	3.72
	7.0	6.0	21.3	5.67	20.3	5.39	19.1	4.88	18.5	4.65	17.8	4.42	16.6	4.04	15.3	3.58
	8.6	7.5	21.6	5.72	20.3	5.21	19.1	4.74	18.5	4.51	17.8	4.28	16.6	3.90	15.3	3.44
	11.2	10.0	21.6	5.44	20.3	4.93	19.1	4.46	18.5	4.23	17.8	4.00	16.6	3.63	15.3	3.11
	16.4	15.0	21.6	4.88	20.3	4.42	19.1	3.90	18.5	3.67	17.8	3.44	16.6	3.07	15.3	2.60

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
100%	-19.8	-20.0	10.7	4.12	10.4	4.03	10.0	3.94	9.9	3.89	9.5	3.82	9.2	3.71	8.6	3.57
	-14.7	-15.0	12.5	4.44	12.1	4.31	11.8	4.21	11.6	4.17	11.4	4.10	11.1	3.98	10.4	3.85
	-9.6	-10.0	14.3	4.72	13.9	4.58	13.6	4.49	13.4	4.44	13.2	4.37	12.8	4.26	12.1	4.12
	-4.4	-5.0	16.2	4.95	15.8	4.85	15.7	4.76	15.1	4.72	15.0	4.65	14.6	4.53	13.7	4.40
	-1.8	-2.5	16.9	5.08	16.5	4.99	16.2	4.90	16.0	4.85	15.8	4.79	15.5	4.63	14.6	4.49
	0.8	0.0	18.0	5.22	17.6	5.08	17.1	4.99	16.9	4.95	16.7	4.88	15.8	4.72	14.6	4.21
	2.8	2.0	18.7	5.36	18.3	5.22	17.8	5.13	17.6	5.04	17.0	4.97	15.8	4.44	14.6	3.94
	6.0	5.0	19.9	5.54	19.4	5.45	18.2	5.04	17.6	4.72	17.0	4.49	15.8	4.12	14.6	3.66
	7.0	6.0	20.2	5.59	19.4	5.31	18.2	4.81	17.6	4.58	17.0	4.35	15.8	3.98	14.6	3.53
	8.6	7.5	20.6	5.63	19.4	5.13	18.2	4.67	17.6	4.44	17.0	4.21	15.8	3.85	14.6	3.39
	11.2	10.0	20.6	5.36	19.4	4.85	18.2	4.40	17.6	4.17	17.0	3.94	15.8	3.57	14.6	3.07
	16.4	15.0	20.6	4.81	19.4	4.35	18.2	3.85	17.6	3.62	17.0	3.39	15.8	3.02	14.6	2.56

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
90%	-19.8	-20.0	9.7	3.59	9.3	3.51	9.0	3.43	8.9	3.39	8.6	3.33	8.2	3.23	7.8	3.11
	-14.7	-15.0	11.2	3.87	10.9	3.75	10.6	3.67	10.5	3.63	10.3	3.57	10.0	3.47	9.3	3.35
	-9.6	-10.0	12.8	4.10	12.5	3.98	12.2	3.90	12.0	3.87	11.9	3.81	11.6	3.71	10.9	3.59
	-4.4	-5.0	14.6	4.30	14.3	4.22	14.1	4.14	13.6	4.10	13.5	4.04	13.1	3.94	12.4	3.83
	-1.8	-2.5	15.2	4.42	14.9	4.34	14.6	4.26	14.4	4.22	14.3	4.16	13.9	4.02	13.1	3.90
	0.8	0.0	16.2	4.54	15.8	4.42	15.4	4.34	15.2	4.30	15.0	4.24	14.3	4.10	13.1	3.67
	2.8	2.0	16.8	4.66	16.5	4.54	16.0	4.46	15.8	4.38	15.3	4.32	14.3	3.87	13.1	3.43
	6.0	5.0	17.9	4.82	17.4	4.74	16.4	4.38	15.8	4.10	15.3	3.90	14.3	3.59	13.1	3.19
	7.0	6.0	18.2	4.86	17.4	4.62	16.4	4.18	15.8	3.98	15.3	3.79	14.3	3.47	13.1	3.07
	8.6	7.5	18.5	4.90	17.4	4.46	16.4	4.06	15.8	3.87	15.3	3.67	14.3	3.35	13.1	2.95
	11.2	10.0	18.5	4.66	17.4	4.22	16.4	3.83	15.8	3.63	15.3	3.43	14.3	3.11	13.1	2.67
	16.4	15.0	18.5	4.18	17.4	3.79	16.4	3.35	15.8	3.15	15.3	2.95	14.3	2.63	13.1	2.22

## 1. Capacity Ratio of Outdoor Unit

## MINI VRF Capacity Ratio 50-130%

TC: Total capacity (kW), PI: Power input (kW)

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
80%	-19.8	-20.0	8.6	3.03	8.3	2.96	8.0	2.90	7.9	2.86	7.6	2.81	7.3	2.73	6.9	2.63
	-14.7	-15.0	10.0	3.27	9.7	3.16	9.4	3.10	9.3	3.06	9.2	3.01	8.9	2.93	8.3	2.83
	-9.6	-10.0	11.4	3.47	11.1	3.37	10.8	3.30	10.7	3.27	10.6	3.21	10.3	3.13	9.7	3.03
	-4.4	-5.0	13.0	3.64	12.7	3.57	12.5	3.50	12.1	3.47	12.0	3.42	11.7	3.33	11.0	3.23
	-1.8	-2.5	13.5	3.74	13.2	3.67	13.0	3.60	12.8	3.57	12.7	3.52	12.4	3.40	11.7	3.30
	0.8	0.0	14.4	3.84	14.1	3.74	13.7	3.67	13.5	3.64	13.4	3.59	12.7	3.47	11.7	3.10
	2.8	2.0	14.9	3.94	14.6	3.84	14.2	3.77	14.1	3.70	13.6	3.65	12.7	3.27	11.7	2.90
	6.0	5.0	15.9	4.07	15.5	4.01	14.6	3.70	14.1	3.47	13.6	3.30	12.7	3.03	11.7	2.69
	7.0	6.0	16.2	4.11	15.5	3.90	14.6	3.53	14.1	3.37	13.6	3.20	12.7	2.93	11.7	2.59
	8.6	7.5	16.5	4.14	15.5	3.77	14.6	3.43	14.1	3.27	13.6	3.10	12.7	2.83	11.7	2.49
	11.2	10.0	16.5	3.94	15.5	3.57	14.6	3.23	14.1	3.06	13.6	2.90	12.7	2.63	11.7	2.26
	16.4	15.0	16.5	3.53	15.5	3.20	14.6	2.83	14.1	2.66	13.6	2.49	12.7	2.22	11.7	1.89

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
70%	-19.8	-20.0	7.5	2.51	7.3	2.46	7.0	2.40	6.9	2.37	6.7	2.33	6.4	2.26	6.0	2.18
	-14.7	-15.0	8.7	2.71	8.5	2.63	8.3	2.57	8.1	2.54	8.0	2.50	7.8	2.43	7.3	2.35
	-9.6	-10.0	10.0	2.88	9.7	2.79	9.5	2.74	9.4	2.71	9.2	2.67	9.0	2.60	8.5	2.51
	-4.4	-5.0	11.3	3.02	11.1	2.96	11.0	2.91	10.6	2.88	10.5	2.84	10.2	2.77	9.6	2.68
	-1.8	-2.5	11.8	3.10	11.6	3.05	11.3	2.99	11.2	2.96	11.1	2.92	10.8	2.82	10.2	2.74
	0.8	0.0	12.6	3.18	12.3	3.10	12.0	3.05	11.8	3.02	11.7	2.98	11.1	2.88	10.2	2.57
	2.8	2.0	13.1	3.27	12.8	3.18	12.4	3.13	12.3	3.07	11.9	3.03	11.1	2.71	10.2	2.40
	6.0	5.0	13.9	3.38	13.6	3.32	12.8	3.07	12.3	2.88	11.9	2.74	11.1	2.51	10.2	2.24
	7.0	6.0	14.2	3.41	13.6	3.24	12.8	2.93	12.3	2.79	11.9	2.65	11.1	2.43	10.2	2.15
	8.6	7.5	14.4	3.44	13.6	3.13	12.8	2.85	12.3	2.71	11.9	2.57	11.1	2.35	10.2	2.07
	11.2	10.0	14.4	3.27	13.6	2.96	12.8	2.68	12.3	2.54	11.9	2.40	11.1	2.18	10.2	1.87
	16.4	15.0	14.4	2.93	13.6	2.65	12.8	2.35	12.3	2.21	11.9	2.07	11.1	1.84	10.2	1.56

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	
60%	-19.8	-20.0	6.4	2.12	6.2	2.08	6.0	2.03	5.9	2.00	5.7	1.97	5.5	1.91	5.2	1.84
	-14.7	-15.0	7.5	2.29	7.3	2.22	7.1	2.17	7.0	2.15	6.9	2.11	6.7	2.05	6.2	1.98
	-9.6	-10.0	8.6	2.43	8.3	2.36	8.1	2.31	8.0	2.29	7.9	2.25	7.7	2.19	7.3	2.12
	-4.4	-5.0	9.7	2.55	9.5	2.50	9.4	2.45	9.1	2.43	9.0	2.39	8.8	2.34	8.2	2.26
	-1.8	-2.5	10.1	2.62	9.9	2.57	9.7	2.52	9.6	2.50	9.5	2.46	9.3	2.38	8.8	2.31
	0.8	0.0	10.8	2.69	10.6	2.62	10.2	2.57	10.1	2.55	10.0	2.51	9.5	2.43	8.8	2.17
	2.8	2.0	11.2	2.76	11.0	2.69	10.7	2.64	10.6	2.59	10.2	2.56	9.5	2.29	8.8	2.03
	6.0	5.0	11.9	2.85	11.6	2.81	10.9	2.59	10.6	2.43	10.2	2.31	9.5	2.12	8.8	1.89
	7.0	6.0	12.1	2.88	11.6	2.74	10.9	2.48	10.6	2.36	10.2	2.24	9.5	2.05	8.8	1.82
	8.6	7.5	12.4	2.90	11.6	2.64	10.9	2.41	10.6	2.29	10.2	2.17	9.5	1.98	8.8	1.75
	11.2	10.0	12.4	2.76	11.6	2.50	10.9	2.26	10.6	2.15	10.2	2.03	9.5	1.84	8.8	1.58
	16.4	15.0	12.4	2.48	11.6	2.24	10.9	1.98	10.6	1.86	10.2	1.75	9.5	1.56	8.8	1.32

Combination(%): Indoor/outdoor capacity ratio	Outdoor air temp.		Indoor air temp. : °CDB													
			15.0		17.0		19.0		20.0		21.0		23.0		25.0	
			TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
	°CDB	°CWB	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
50%	-19.8	-20.0	5.4	1.73	5.2	1.69	5.0	1.65	4.9	1.64	4.8	1.61	4.6	1.56	4.3	1.50
	-14.7	-15.0	6.2	1.87	6.1	1.81	5.9	1.77	5.8	1.75	5.7	1.72	5.5	1.67	5.2	1.62
	-9.6	-10.0	7.1	1.98	7.0	1.92	6.8	1.89	6.7	1.87	6.6	1.84	6.4	1.79	6.1	1.73
	-4.4	-5.0	8.1	2.08	7.9	2.04	7.8	2.00	7.6	1.98	7.5	1.95	7.3	1.90	6.9	1.85
	-1.8	-2.5	8.4	2.14	8.3	2.10	8.1	2.06	8.0	2.04	7.9	2.01	7.7	1.94	7.3	1.89
	0.8	0.0	9.0	2.19	8.8	2.14	8.5	2.10	8.4	2.08	8.4	2.05	7.9	1.98	7.3	1.77
	2.8	2.0	9.3	2.25	9.2	2.19	8.9	2.15	8.8	2.12	8.5	2.09	7.9	1.87	7.3	1.65
	6.0	5.0	9.9	2.33	9.7	2.29	9.1	2.12	8.8	1.98	8.5	1.89	7.9	1.73	7.3	1.54
	7.0	6.0	10.1	2.35	9.7	2.23	9.1	2.02	8.8	1.92	8.5	1.83	7.9	1.67	7.3	1.48
	8.6	7.5	10.3	2.37	9.7	2.15	9.1	1.96	8.8	1.87	8.5	1.77	7.9	1.62	7.3	1.42
	11.2	10.0	10.3	2.25	9.7	2.04	9.1	1.85	8.8	1.75	8.5	1.65	7.9	1.50	7.3	1.29
	16.4	15.0	10.3	2.02	9.7	1.83	9.1	1.62	8.8	1.52	8.5	1.42	7.9	1.27	7.3	1.08

## 2. Cooling Capacity of Indoor Unit

### 2-1. 4-Way Cassette Type (U1 Type), 4-Way Cassette 60×60 Type (Y1 Type)

- S-12MU1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		3.6 kW AIR FLOW 15.5 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	21	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	23	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
16		TC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	21	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	23	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	25	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	27	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
17		TC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	21	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	23	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	25	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	27	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
18		TC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2
	21	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8
	23	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2
	25	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	27	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1
19		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.3
	21	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4
	27	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9
20		TC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.4	3.3
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.7
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.2
	27	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6
	29	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.1	3.1
21		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4
	29	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8
22		TC	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.6
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.7
	27	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2
	29	SHC	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6
	31	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1
23		TC	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8
	25	SHC	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.5
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0
	29	SHC	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4
	31	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9



## 2. Cooling Capacity of Indoor Unit

- S-18MU1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		5.6 kW                      AIR FLOW 16.0 m³/min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	21	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	23	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	27	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
16		TC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	21	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	23	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	25	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
	27	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	29	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
17		TC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	21	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	23	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	25	SHC	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	27	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	29	SHC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
18		TC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0
	21	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
	23	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2
	25	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7
	27	SHC	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3
	29	SHC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8
	31	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0
19		TC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4	5.2
	21	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.3
	23	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	2.9
	25	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5
	27	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.0
	29	SHC	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6
	31	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1
20		TC	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2
	23	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.6
	25	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.1
	27	SHC	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7	3.6
	29	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2
	31	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.7
21		TC	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4
	23	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.3
	25	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.8
	27	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.3
	29	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.1	4.0	4.0	3.9
	31	SHC	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.6	4.6	4.6	4.5	4.4
22		TC	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.7	5.6
	25	SHC	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5
	27	SHC	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1
	29	SHC	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6
	31	SHC	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.2
23		TC	7.1	7.1	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.8
	25	SHC	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.3
	27	SHC	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.8
	29	SHC	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.4
	31	SHC	4.4	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.1	4.0	4.0	3.9

## 2. Cooling Capacity of Indoor Unit

- S-24MU1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		7.3 kW AIR FLOW 20.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	21	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	23	SHC	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	25	SHC	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	27	SHC	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
16		TC	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
	21	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	23	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	25	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
	27	SHC	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
17		TC	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
	21	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	23	SHC	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
	25	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	27	SHC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
18		TC	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.5
	21	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4
	23	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0
	25	SHC	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7
	27	SHC	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3
19		TC	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.1	7.0	6.8	6.6
	21	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1	3.0
	23	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.7	3.6
	25	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.4	4.3	4.3
	27	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.0	4.9
20		TC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.6	7.5	7.3	7.1	7.0	6.8
	23	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.5	3.5	3.4	3.3	3.3
	25	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.1	4.1	4.0	3.9
	27	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.6	4.5
	29	SHC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.5	5.4	5.3	5.3	5.2
21		TC	8.3	8.3	8.3	8.3	8.3	8.3	8.2	8.1	7.9	7.8	7.7	7.5	7.3	7.2	7.0
	23	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.1	3.1	3.0	2.9
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6
	27	SHC	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.3	4.3	4.2
	29	SHC	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.1	5.0	4.9	4.9
22		TC	8.8	8.8	8.8	8.7	8.7	8.6	8.5	8.4	8.2	8.1	8.0	7.8	7.6	7.5	7.3
	25	SHC	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.5	3.5	3.5	3.4	3.3	3.3
	27	SHC	4.5	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.3	4.2	4.1	4.1	4.0	4.0	3.9
	29	SHC	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.5
	31	SHC	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.3	5.2
23		TC	9.3	9.2	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.3	8.2	8.0	7.8	7.6
	25	SHC	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.1	3.1	3.0	2.9
	27	SHC	4.2	4.2	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6
	29	SHC	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4	4.3	4.2
	31	SHC	5.5	5.5	5.4	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.1	5.0	4.9	4.9

## 2. Cooling Capacity of Indoor Unit

- S-36MU1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		10.6 kW AIR FLOW 28.0 m³/min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	21	SHC	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	23	SHC	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
	25	SHC	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	27	SHC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
16		TC	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	21	SHC	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
	23	SHC	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
	25	SHC	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
	27	SHC	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
17		TC	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	21	SHC	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
	23	SHC	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
	25	SHC	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
	27	SHC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
18		TC	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.5
	21	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.8
	23	SHC	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.8	5.7
	25	SHC	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.5
	27	SHC	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.3
19		TC	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.4	10.1	9.9
	21	SHC	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.4	4.3
	23	SHC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.3	5.2	5.1
	25	SHC	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.1	6.0
	27	SHC	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2	7.1	7.0	6.9	6.8
20		TC	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.2	11.0	10.8	10.6	10.4	10.1	9.8
	23	SHC	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.0	4.9	4.8	4.7
	25	SHC	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0	5.9	5.8	5.7	5.6	5.5
	27	SHC	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.6	6.5	6.4	6.3
	29	SHC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.5	7.5	7.4	7.3	7.1
21		TC	12.0	12.0	12.0	12.0	12.0	12.0	11.9	11.7	11.5	11.3	11.1	10.9	10.7	10.4	10.1
	23	SHC	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2
	25	SHC	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.5	5.5	5.3	5.2	5.2	5.1
	27	SHC	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.4	6.4	6.2	6.2	6.1	6.0	5.9
	29	SHC	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.3	7.3	7.2	7.1	7.0	6.9	6.8	6.7
22		TC	12.7	12.7	12.7	12.7	12.6	12.4	12.3	12.1	12.0	11.8	11.5	11.3	11.1	10.8	10.6
	25	SHC	5.5	5.5	5.5	5.5	5.4	5.3	5.3	5.2	5.2	5.1	5.0	5.0	4.8	4.7	4.6
	27	SHC	6.3	6.3	6.3	6.3	6.2	6.2	6.1	6.1	6.0	5.9	5.9	5.7	5.7	5.6	5.5
	29	SHC	7.1	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3
	31	SHC	8.0	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1
23		TC	13.4	13.4	13.3	13.2	13.1	13.0	12.8	12.6	12.5	12.3	12.1	11.8	11.6	11.3	11.1
	25	SHC	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.7	4.6	4.6	4.4	4.3	4.2
	27	SHC	6.0	6.0	5.9	5.9	5.9	5.8	5.7	5.7	5.6	5.5	5.5	5.3	5.3	5.2	5.1
	29	SHC	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5	6.4	6.4	6.3	6.2	6.1	6.0	5.9
	31	SHC	7.7	7.6	7.6	7.5	7.5	7.4	7.4	7.3	7.3	7.2	7.1	7.0	6.9	6.9	6.8

## 2. Cooling Capacity of Indoor Unit

### ● S-12MY1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		3.6 kW      AIR FLOW    9.0 m³/min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	21	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	23	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
16		TC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	21	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	23	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	25	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	27	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	29	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
17		TC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	21	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	23	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	27	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	29	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
18		TC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2
	21	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	25	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	27	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8
	29	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	31	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2
19		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.3
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	23	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.2
	27	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
	29	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0
	31	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3
20		TC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.4	3.3
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4
	29	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.8	2.8	2.8
	31	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1
21		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
	27	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2
	29	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6
	31	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9
22		TC	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.6
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6
	27	SHC	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0
	29	SHC	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.4
	31	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.7
23		TC	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8
	25	SHC	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
	29	SHC	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2
	31	SHC	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6

## 2. Cooling Capacity of Indoor Unit

- S-18MY1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		5.6 kW AIR FLOW 12.5 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	21	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	23	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	27	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
16		TC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	21	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	23	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	27	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
17		TC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	21	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	23	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	25	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	27	SHC	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
18		TC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0
	21	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
	23	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1
	25	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6
	27	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1
19		TC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4	5.2	5.1
	21	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3
	23	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8
	25	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3
	27	SHC	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.8
20		TC	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2
	23	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5
	25	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0
	27	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5
	29	SHC	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.1	4.0
21		TC	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4
	23	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.3
	25	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8
	27	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.3
	29	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8
22		TC	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.7	5.6
	25	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.5
	27	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0
	29	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5
	31	SHC	4.5	4.5	4.5	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0
23		TC	7.1	7.1	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.8
	25	SHC	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.3
	27	SHC	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8
	29	SHC	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.3
	31	SHC	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.8

## 2. Cooling Capacity of Indoor Unit

### 2-2. 1-Way Cassette Type (D1 Type)

- S-07MD1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		2.2 kW AIR FLOW 8.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	23	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
16		TC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	21	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	23	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
17		TC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	21	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	23	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
18		TC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
	21	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	25	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
19		TC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0
	21	SHC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
	23	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
	25	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5
20		TC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0
	23	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
	25	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2
	27	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
	29	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.6
21		TC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1
	23	SHC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9
	25	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
	27	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3
	29	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5
22		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.2	2.2
	25	SHC	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
	27	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2
	29	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
	31	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
23		TC	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3
	25	SHC	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9
	27	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
	29	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3
	31	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5

## 2. Cooling Capacity of Indoor Unit

- S-09MD1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		2.8 kW AIR FLOW 8.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
16		TC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	21	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	23	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
17		TC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	21	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
18		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5
	21	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3
	23	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
19		TC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.5
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
	23	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
	25	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9
20		TC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6
	23	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
	25	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5
	27	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8
	29	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1
21		TC	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
	29	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9
22		TC	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8
	25	SHC	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5
	29	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8
	31	SHC	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
23		TC	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9
	25	SHC	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4
	29	SHC	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
	31	SHC	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9

## 2. Cooling Capacity of Indoor Unit

- S-12MD1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		3.6 kW AIR FLOW 9.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	21	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	23	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
16		TC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	21	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	23	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	25	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	27	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
17		TC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	21	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	27	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
18		TC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2
	21	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	23	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	25	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
19		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.3
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1
	27	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4
20		TC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.4	3.3
	23	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9
	27	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2
	29	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5
21		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.8
	27	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1
	29	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.4
22		TC	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.6
	25	SHC	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9
	29	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2
	31	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5
23		TC	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8
	25	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4
	27	SHC	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8	1.8
	29	SHC	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1
	31	SHC	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.4



## 2. Cooling Capacity of Indoor Unit

### 2-3. Wall Mounted Type (K1 Type)

- S-07MK1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		2.2 kW AIR FLOW 10.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	21	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	23	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
16		TC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	23	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	25	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
17		TC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	21	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	23	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	25	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	27	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
18		TC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
	21	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	23	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
19		TC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0
	21	SHC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
	25	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7
20		TC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0
	23	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1
	25	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6
	29	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8
21		TC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1
	23	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
	25	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
	29	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
22		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.2	2.2
	25	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.0
	27	SHC	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
	29	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6
	31	SHC	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8
23		TC	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3
	25	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
	27	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2
	29	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
	31	SHC	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7

## 2. Cooling Capacity of Indoor Unit

- S-09MK1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		2.8 kW AIR FLOW 10.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	21	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
16		TC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	21	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	23	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
17		TC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	21	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	27	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
18		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5
	21	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
	27	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
19		TC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.5
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
	23	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8
	27	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1
20		TC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6
	23	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3
	25	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0
	29	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.3	2.3
21		TC	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
	25	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5
	27	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8
	29	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1
22		TC	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8
	25	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6
	29	SHC	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0
	31	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3
23		TC	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9
	25	SHC	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5
	29	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8
	31	SHC	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1

## 2. Cooling Capacity of Indoor Unit

- S-12MK1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		3.6 kW AIR FLOW 10.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	21	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	23	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
16		TC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	21	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	23	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	25	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	27	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
17		TC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	21	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	23	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	25	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	27	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
18		TC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2
	21	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	25	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	27	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8
19		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.3
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	23	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.2
	27	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6
20		TC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.4	3.3
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4
	29	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8
21		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
	27	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2
	29	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6
22		TC	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.6
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6
	27	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0
	29	SHC	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4
	31	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.8	2.8	2.8
23		TC	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8
	25	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
	29	SHC	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2
	31	SHC	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6

## 2. Cooling Capacity of Indoor Unit

- S-18MK1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		5.3 kW AIR FLOW 16.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	21	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	23	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	25	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	27	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
16		TC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
	21	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	23	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	25	SHC	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	27	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
17		TC	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	21	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	23	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	25	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
	27	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
18		TC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.7
	21	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5
	23	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0
	25	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5
	27	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
19		TC	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.1	4.9	4.8
	21	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2
	23	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7
	25	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2
	27	SHC	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.8	3.8
20		TC	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.5	5.4	5.3	5.2	5.0	4.9
	23	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.4
	25	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0
	27	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5
	29	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.1	4.0
21		TC	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.8	5.7	5.6	5.5	5.3	5.2	5.1
	23	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2
	25	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.7
	27	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.2	3.2
	29	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7
22		TC	6.4	6.4	6.4	6.3	6.3	6.2	6.1	6.1	6.0	5.9	5.8	5.7	5.5	5.4	5.3
	25	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4
	27	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	2.9
	29	SHC	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.4
	31	SHC	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.1	4.0	4.0
23		TC	6.7	6.7	6.6	6.6	6.5	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.7	5.5
	25	SHC	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2
	27	SHC	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.7
	29	SHC	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.2	3.2
	31	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7

## 2. Cooling Capacity of Indoor Unit

- S-19MS1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		5.6 kW AIR FLOW 16.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	21	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	23	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	27	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
16		TC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	21	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	23	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	27	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
17		TC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	21	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	23	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	25	SHC	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	27	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
18		TC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0
	21	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
	23	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	25	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7
	27	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2
19		TC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4	5.2	5.1
	21	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3
	23	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	2.9	2.9
	25	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4	3.4
	27	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9
20		TC	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2
	23	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.5
	25	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.1
	27	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6
	29	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1
21		TC	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4
	23	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.3
	25	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.8
	27	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.3
	29	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.0	4.0	3.9	3.9
22		TC	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.7	5.6
	25	SHC	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5
	27	SHC	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.1	3.1
	29	SHC	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6
	31	SHC	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1
23		TC	7.1	7.1	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.8
	25	SHC	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3	2.3
	27	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8
	29	SHC	3.8	3.8	3.8	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.3
	31	SHC	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.0	4.0	3.9	3.9

## 2. Cooling Capacity of Indoor Unit

- S-24MK1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		7.3 kW AIR FLOW 16.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	21	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	23	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
	25	SHC	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	27	SHC	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
16		TC	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
	21	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	23	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	25	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	27	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
17		TC	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
	21	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	23	SHC	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
	25	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	27	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
18		TC	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.5
	21	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
	23	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8
	25	SHC	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.2
	27	SHC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.7
19		TC	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.1	7.0	6.8	6.6
	21	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1	3.0
	23	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.5	3.4
	25	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.0	3.9
	27	SHC	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.5	4.4
20		TC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.6	7.5	7.3	7.1	7.0	6.8
	23	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4	3.3	3.2	3.2
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.9	3.8	3.7	3.6
	27	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.4	4.3	4.3	4.2	4.1
	29	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.8	4.7	4.6
21		TC	8.3	8.3	8.3	8.3	8.3	8.3	8.2	8.1	7.9	7.8	7.7	7.5	7.3	7.2	7.0
	23	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.2	3.2	3.1	3.1	3.0	2.9
	25	SHC	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.8	3.7	3.7	3.6	3.5	3.4	3.4
	27	SHC	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.1	4.1	4.0	3.9	3.9
	29	SHC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.3
22		TC	8.8	8.8	8.8	8.7	8.7	8.6	8.5	8.4	8.2	8.1	8.0	7.8	7.6	7.5	7.3
	25	SHC	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.3	3.3	3.2	3.1
	27	SHC	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.1	4.0	4.0	3.9	3.8	3.8	3.7	3.6
	29	SHC	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.4	4.3	4.2	4.2	4.1
	31	SHC	5.2	5.2	5.2	5.2	5.1	5.1	5.1	5.0	5.0	4.9	4.9	4.8	4.7	4.6	4.6
23		TC	9.3	9.2	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.3	8.2	8.0	7.8	7.6
	25	SHC	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.4	3.3	3.2	3.2	3.1	3.1	3.0	2.9
	27	SHC	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4
	29	SHC	4.6	4.5	4.5	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.1	4.1	4.0	4.0	3.9
	31	SHC	5.0	5.0	5.0	5.0	4.9	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.3

## 2. Cooling Capacity of Indoor Unit

### 2-4. Ceiling Type (T1 Type)

- S-12MT1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		3.6 kW AIR FLOW 12.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	21	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	23	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	25	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
16		TC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	21	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	27	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
17		TC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	21	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	23	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	25	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
18		TC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2
	21	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
	23	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	27	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4
19		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.3
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.7
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
	27	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3
20		TC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.4	3.3
	23	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8
	27	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.1
	29	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4
21		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0
	29	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.2
22		TC	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.6
	25	SHC	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
	29	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1
	31	SHC	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4
23		TC	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8
	25	SHC	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4
	27	SHC	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7
	29	SHC	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0
	31	SHC	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.2

## 2. Cooling Capacity of Indoor Unit

- S-18MT1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		5.6 kW AIR FLOW 13.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	21	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	23	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	25	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	27	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
16		TC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	21	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	23	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	25	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	27	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
17		TC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	21	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	23	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	25	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	27	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
18		TC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0
	21	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5
	23	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.8
	25	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2
	27	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6
19		TC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4	5.2	5.1
	21	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3
	23	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.7	2.7	2.6
	25	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.0	3.0
	27	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.3
20		TC	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2
	23	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.5	2.5	2.4
	25	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	2.9	2.8	2.8
	27	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1
	29	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.4
21		TC	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4
	23	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.2
	25	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.8	2.8	2.7	2.7	2.6	2.6
	27	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.1	3.0	3.0	2.9
	29	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.4	3.4	3.3	3.3
22		TC	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.7	5.6
	25	SHC	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.5	2.4
	27	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7
	29	SHC	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.1
	31	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.4
23		TC	7.1	7.1	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.8
	25	SHC	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.2
	27	SHC	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	2.9	2.8	2.8	2.8	2.7	2.6	2.6
	29	SHC	3.5	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0	2.9
	31	SHC	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.4	3.4	3.3	3.3



## 2. Cooling Capacity of Indoor Unit

- S-24MT1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		7.3 kW AIR FLOW 18.5 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	21	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
	23	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	25	SHC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	27	SHC	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
16		TC	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
	21	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	23	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
	25	SHC	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	27	SHC	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
17		TC	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
	21	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	23	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	25	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	27	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
18		TC	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.5
	21	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
	23	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8
	25	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.3
	27	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9
19		TC	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.1	7.0	6.8
	21	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0	3.0
	23	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.6	3.6	3.5
	25	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.0
	27	SHC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.6	4.5
20		TC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.6	7.5	7.3	7.1	7.0	6.8
	23	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.3	3.3	3.2
	25	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.0	3.9	3.9	3.8	3.7
	27	SHC	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.5	4.5	4.4	4.3	4.2
	29	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.0	4.9	4.8	4.8
21		TC	8.3	8.3	8.3	8.3	8.3	8.3	8.2	8.1	7.9	7.8	7.7	7.5	7.3	7.2	7.0
	23	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.0	3.0	2.9
	25	SHC	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.6	3.6	3.5	3.4
	27	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.3	4.2	4.2	4.1	4.0	3.9
	29	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.5
22		TC	8.8	8.8	8.8	8.7	8.7	8.6	8.5	8.4	8.2	8.1	8.0	7.8	7.6	7.5	7.3
	25	SHC	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.2	3.2
	27	SHC	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.8	3.8	3.7
	29	SHC	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.6	4.5	4.5	4.4	4.3	4.3	4.2
	31	SHC	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.2	5.1	5.1	5.0	4.9	4.9	4.8	4.8
23		TC	9.3	9.2	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.3	8.2	8.0	7.8	7.6
	25	SHC	3.6	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.0	3.0	2.9
	27	SHC	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7	3.6	3.6	3.5	3.5
	29	SHC	4.6	4.6	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0
	31	SHC	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.6	4.6	4.5

## 2. Cooling Capacity of Indoor Unit

### 2-5. Low Silhouette Ducted Type (F1 Type), Slim Low Static Ducted Type (M1 Type)

- S-07MF1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		2.2 kW AIR FLOW 10.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	23	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
16		TC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	21	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	23	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
17		TC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	21	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
18		TC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
	21	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2
	25	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
19		TC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0
	21	SHC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9
	23	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
	25	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
20		TC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0
	23	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
	25	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
	27	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
	29	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6
21		TC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1
	23	SHC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9
	25	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
	27	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
	29	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5
22		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.2	2.2
	25	SHC	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0
	27	SHC	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
	29	SHC	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4
	31	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
23		TC	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3
	25	SHC	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9
	27	SHC	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
	29	SHC	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
	31	SHC	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5

## 2. Cooling Capacity of Indoor Unit

- S-09MF1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		2.8 kW AIR FLOW 10.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	23	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
16		TC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	21	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	23	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
17		TC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	21	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
18		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	23	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	25	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
19		TC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.5
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.1
	23	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
	25	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6
	27	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
20		TC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6
	23	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
	25	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5
	27	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
	29	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0
21		TC	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1	1.1
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.6
	29	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9
22		TC	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8
	25	SHC	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.2
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5
	29	SHC	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8
	31	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0
23		TC	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9
	25	SHC	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4
	29	SHC	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.6
	31	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9

## 2. Cooling Capacity of Indoor Unit

- S-12MF1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		3.6 kW AIR FLOW 10.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	21	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	23	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
16		TC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	21	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
17		TC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	21	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	23	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	25	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
18		TC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2
	21	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1
	27	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4
19		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.3
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.7
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
	27	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
20		TC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.4	3.3
	23	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
	27	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.1
	29	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.4
21		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	1.9
	29	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2
22		TC	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.6
	25	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.8
	29	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.1
	31	SHC	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.4
23		TC	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8
	25	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.4
	27	SHC	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.7	1.7
	29	SHC	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0
	31	SHC	2.6	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2

## 2. Cooling Capacity of Indoor Unit

- S-15MF1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		4.5 kW AIR FLOW 12.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	21	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	23	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	25	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	27	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
16		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	21	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	23	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	25	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	27	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
17		TC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	21	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	23	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	25	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	27	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
18		TC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.0
	21	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0
	23	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4
	25	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7
	27	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1
19		TC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.2	4.1
	21	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8
	23	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.2	2.2
	25	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.5
	27	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	2.9	2.9
20		TC	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2
	23	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.3
	27	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.7
	29	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0
21		TC	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8	1.8
	25	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.1
	27	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.5	2.5
	29	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.8
22		TC	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.1	5.1	5.0	4.9	4.8	4.7	4.6	4.5
	25	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.0	2.0
	27	SHC	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3
	29	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
	31	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0
23		TC	5.7	5.7	5.6	5.6	5.6	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7
	25	SHC	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8	1.8
	27	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.1
	29	SHC	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.5
	31	SHC	3.3	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.9

## 2. Cooling Capacity of Indoor Unit

### ● S-18MF1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		5.6 kW AIR FLOW 12.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	21	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	23	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	25	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	27	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
16		TC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	21	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	23	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	25	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	27	SHC	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
17		TC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	21	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	23	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	25	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	27	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
18		TC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0
	21	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5
	23	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9
	25	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
	27	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7
19		TC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4	5.2	5.1
	21	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.3	2.3
	23	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.7
	25	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.0
	27	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.5	3.4
20		TC	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2
	23	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.5	2.4
	25	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	2.9	2.9	2.8
	27	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2
	29	SHC	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6
21		TC	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4
	23	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.2
	25	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.7	2.7	2.6
	27	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.0
	29	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.4	3.4
22		TC	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.7	5.6
	25	SHC	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.4
	27	SHC	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9	2.8
	29	SHC	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.2
	31	SHC	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.6
23		TC	7.1	7.1	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.8
	25	SHC	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.2
	27	SHC	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.7	2.7	2.6
	29	SHC	3.5	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.0
	31	SHC	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.4

## 2. Cooling Capacity of Indoor Unit

- S-24MF1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		7.3 kW AIR FLOW 19.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	21	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	23	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	25	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
	27	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
16		TC	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
	21	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	23	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	25	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	27	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
17		TC	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
	21	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	23	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	25	SHC	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
	27	SHC	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
18		TC	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.7	6.5
	21	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
	23	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.7
	25	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2
	27	SHC	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.6
19		TC	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.1	7.0	6.8	6.6
	21	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0	3.0
	23	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.4
	25	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	3.9	3.9
	27	SHC	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.5	4.4	4.3
20		TC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.7	7.6	7.5	7.3	7.1	7.0	6.8
	23	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4	3.3	3.2	3.1
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.6
	27	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.3	4.2	4.1	4.1
	29	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.7	4.7	4.6	4.5
21		TC	8.3	8.3	8.3	8.3	8.3	8.3	8.2	8.1	7.9	7.8	7.7	7.5	7.3	7.2	7.0
	23	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.1	3.0	3.0	2.9
	25	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.5	3.4	3.4
	27	SHC	4.4	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	3.9	3.9	3.8
	29	SHC	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.4	4.3	4.3	4.3
22		TC	8.8	8.8	8.8	8.7	8.7	8.6	8.5	8.4	8.2	8.1	8.0	7.8	7.6	7.5	7.3
	25	SHC	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.5	3.5	3.4	3.4	3.3	3.2	3.1
	27	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.0	3.9	3.9	3.8	3.7	3.7	3.6
	29	SHC	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.4	4.4	4.3	4.3	4.2	4.1	4.0
	31	SHC	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.8	4.8	4.7	4.6	4.6	4.5
23		TC	9.3	9.2	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.3	8.2	8.0	7.8	7.6
	25	SHC	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.1	3.1	3.0	2.9
	27	SHC	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.5	3.4	3.4
	29	SHC	4.5	4.5	4.5	4.4	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.8
	31	SHC	5.0	5.0	4.9	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.6	4.5	4.4	4.3	4.3

## 2. Cooling Capacity of Indoor Unit

- S-36MF1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		10.6 kW AIR FLOW 30.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	21	SHC	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	23	SHC	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
	25	SHC	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
	27	SHC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
16		TC	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	21	SHC	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
	23	SHC	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
	25	SHC	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
	27	SHC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
17		TC	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	21	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
	23	SHC	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	25	SHC	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
	27	SHC	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
18		TC	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.5
	21	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.8
	23	SHC	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.6
	25	SHC	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.4
	27	SHC	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.2
19		TC	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.4	10.1	9.9	9.6
	21	SHC	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.6	4.5	4.4	4.3
	23	SHC	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.3	5.2	5.1
	25	SHC	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.1	6.0	5.9
	27	SHC	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.1	6.9	6.8	6.7
20		TC	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.2	11.0	10.8	10.6	10.4	10.1	9.8
	23	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	4.9	4.9	4.8	4.6
	25	SHC	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0	6.0	5.8	5.8	5.7	5.5	5.4
	27	SHC	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.6	6.6	6.4	6.3	6.2
	29	SHC	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.5	7.5	7.4	7.2	7.2	7.1
21		TC	12.0	12.0	12.0	12.0	12.0	12.0	11.9	11.7	11.5	11.3	11.1	10.9	10.7	10.4	10.1
	23	SHC	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2
	25	SHC	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0
	27	SHC	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.4	6.4	6.3	6.2	6.1	6.0	5.9	5.8
	29	SHC	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.2	7.2	7.1	7.0	6.9	6.8	6.7	6.6
22		TC	12.7	12.7	12.7	12.7	12.6	12.4	12.3	12.1	12.0	11.8	11.5	11.3	11.1	10.8	10.6
	25	SHC	5.5	5.5	5.5	5.4	5.4	5.4	5.3	5.2	5.2	5.1	5.0	4.9	4.8	4.7	4.6
	27	SHC	6.3	6.3	6.3	6.3	6.2	6.1	6.1	6.0	6.0	5.9	5.8	5.7	5.6	5.5	5.4
	29	SHC	7.1	7.1	7.1	7.1	7.0	6.9	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3	6.2
	31	SHC	7.9	7.9	7.9	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0
23		TC	13.4	13.4	13.3	13.2	13.1	13.0	12.8	12.6	12.5	12.3	12.1	11.8	11.6	11.3	11.1
	25	SHC	5.1	5.1	5.1	5.1	5.0	4.9	4.9	4.8	4.8	4.7	4.6	4.5	4.5	4.3	4.2
	27	SHC	6.0	5.9	5.9	5.8	5.8	5.8	5.7	5.7	5.5	5.5	5.4	5.3	5.2	5.1	5.1
	29	SHC	6.8	6.8	6.7	6.7	6.6	6.6	6.5	6.4	6.4	6.3	6.2	6.1	6.0	6.0	5.8
	31	SHC	7.5	7.5	7.5	7.5	7.4	7.4	7.3	7.2	7.2	7.1	7.1	6.9	6.9	6.8	6.6



## 2. Cooling Capacity of Indoor Unit

- S-48MF1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		14.0 kW AIR FLOW 33.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
	21	SHC	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
	23	SHC	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
	25	SHC	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	27	SHC	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
16		TC	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
	21	SHC	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
	23	SHC	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
	25	SHC	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
	27	SHC	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
17		TC	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
	21	SHC	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
	23	SHC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	25	SHC	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
	27	SHC	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
18		TC	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.5
	21	SHC	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.3
	23	SHC	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.3
	25	SHC	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.2
	27	SHC	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.4	9.2
19		TC	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.7	13.4	13.1	12.7
	21	SHC	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.2	6.1	6.0	5.8	5.6
	23	SHC	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.1	7.0	6.8	6.6
	25	SHC	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.1	8.0	7.8	7.6
	27	SHC	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.0	8.9	8.8	8.6
20		TC	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.8	14.6	14.3	14.0	13.7	13.3	13.0
	23	SHC	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.9	6.8	6.6	6.5	6.4	6.2	6.0
	25	SHC	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.6	7.5	7.4	7.2	7.0
	27	SHC	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.8	8.7	8.6	8.4	8.3	8.2	8.0
	29	SHC	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.7	9.5	9.4	9.3	9.2	9.0
21		TC	15.9	15.9	15.9	15.9	15.9	15.9	15.7	15.5	15.2	15.0	14.7	14.4	14.1	13.7	13.4
	23	SHC	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.8	5.7	5.6
	25	SHC	7.6	7.6	7.6	7.6	7.6	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.8	6.6	6.5
	27	SHC	8.6	8.6	8.6	8.6	8.6	8.6	8.5	8.4	8.3	8.2	8.0	7.9	7.8	7.6	7.5
	29	SHC	9.5	9.5	9.5	9.5	9.5	9.5	9.4	9.3	9.2	9.2	9.0	8.9	8.8	8.6	8.5
22		TC	16.8	16.8	16.8	16.7	16.6	16.4	16.2	16.0	15.8	15.5	15.3	15.0	14.6	14.3	13.9
	25	SHC	7.2	7.2	7.2	7.2	7.2	7.0	7.0	6.9	6.8	6.7	6.6	6.4	6.3	6.2	6.0
	27	SHC	8.2	8.2	8.2	8.2	8.1	8.0	8.0	7.9	7.8	7.6	7.6	7.4	7.3	7.2	7.0
	29	SHC	9.2	9.2	9.2	9.2	9.1	9.0	9.0	8.8	8.8	8.6	8.5	8.4	8.3	8.1	8.0
	31	SHC	10.1	10.1	10.1	10.1	10.1	9.9	9.9	9.8	9.7	9.6	9.5	9.3	9.2	9.1	9.0
23		TC	17.7	17.7	17.6	17.4	17.3	17.1	16.9	16.7	16.5	16.2	15.9	15.6	15.3	15.0	14.6
	25	SHC	6.8	6.8	6.8	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.8	5.7	5.6
	27	SHC	7.8	7.8	7.8	7.7	7.6	7.6	7.5	7.4	7.3	7.2	7.1	7.0	6.8	6.7	6.6
	29	SHC	8.8	8.8	8.7	8.7	8.6	8.6	8.4	8.4	8.3	8.2	8.0	8.0	7.8	7.7	7.6
	31	SHC	9.7	9.7	9.7	9.6	9.5	9.5	9.4	9.3	9.2	9.2	9.0	8.9	8.8	8.6	8.5

## 2. Cooling Capacity of Indoor Unit

- S-54MF1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		16.0 kW AIR FLOW 33.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
	21	SHC	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
	23	SHC	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
	25	SHC	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	27	SHC	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0
16		TC	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
	21	SHC	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	23	SHC	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
	25	SHC	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
	27	SHC	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
17		TC	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
	21	SHC	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	23	SHC	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
	25	SHC	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
	27	SHC	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
18		TC	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.7	14.3
	21	SHC	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.4	7.2
	23	SHC	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.2
	25	SHC	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.3	9.2
	27	SHC	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.3	10.1
19		TC	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	15.7	15.3	14.9	14.5
	21	SHC	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.0	6.9	6.7	6.5
	23	SHC	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.0	7.9	7.7	7.5
	25	SHC	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.0	8.8	8.7	8.5
	27	SHC	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.1	10.0	9.8	9.7	9.5
20		TC	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	16.9	16.6	16.3	16.0	15.6	15.2	14.8
	23	SHC	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.8	7.6	7.4	7.2	7.1	6.9
	25	SHC	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.9	8.7	8.6	8.4	8.2	8.1	7.9
	27	SHC	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.7	9.5	9.4	9.2	9.0	8.9
	29	SHC	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.8	10.7	10.5	10.4	10.2	10.0	9.8
21		TC	18.1	18.1	18.1	18.1	18.1	18.1	17.9	17.7	17.4	17.1	16.8	16.5	16.1	15.7	15.3
	23	SHC	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.4	7.3	7.2	7.0	6.8	6.7	6.5	6.4
	25	SHC	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.4	8.3	8.2	8.0	7.8	7.7	7.5	7.4
	27	SHC	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.4	9.3	9.2	9.0	8.8	8.7	8.5	8.3
	29	SHC	10.6	10.6	10.6	10.6	10.6	10.6	10.5	10.4	10.3	10.1	10.0	9.8	9.7	9.5	9.3
22		TC	19.2	19.2	19.2	19.1	19.0	18.8	18.6	18.3	18.0	17.7	17.4	17.1	16.7	16.3	15.9
	25	SHC	8.3	8.3	8.3	8.3	8.2	8.1	8.0	7.9	7.8	7.6	7.5	7.4	7.2	7.0	6.8
	27	SHC	9.3	9.3	9.3	9.3	9.2	9.1	9.0	8.9	8.8	8.6	8.5	8.4	8.2	8.0	7.8
	29	SHC	10.3	10.3	10.3	10.2	10.1	10.1	9.9	9.9	9.7	9.6	9.5	9.3	9.2	9.0	8.8
	31	SHC	11.3	11.3	11.3	11.2	11.1	11.1	10.9	10.9	10.7	10.6	10.5	10.3	10.1	10.0	9.8
23		TC	20.3	20.2	20.1	19.9	19.7	19.5	19.3	19.1	18.8	18.5	18.2	17.9	17.5	17.1	16.7
	25	SHC	8.0	7.9	7.8	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.0	6.9	6.8	6.6	6.4
	27	SHC	9.0	8.9	8.8	8.8	8.7	8.6	8.5	8.4	8.3	8.2	8.0	7.9	7.8	7.6	7.4
	29	SHC	9.9	9.9	9.8	9.7	9.7	9.6	9.5	9.4	9.3	9.2	9.0	8.9	8.7	8.6	8.4
	31	SHC	10.9	10.9	10.8	10.7	10.7	10.6	10.5	10.4	10.3	10.1	10.0	9.9	9.7	9.5	9.3

## 2. Cooling Capacity of Indoor Unit

- S-07MM1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		2.2 kW AIR FLOW 8.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	23	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
16		TC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	21	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	23	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	25	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
17		TC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	27	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
18		TC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
	21	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	23	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	25	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
19		TC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0
	21	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0
	23	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3
	25	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
	27	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
20		TC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.1
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5
	27	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
	29	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0
21		TC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1
	23	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0
	25	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6
	29	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9
22		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.2	2.2
	25	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5
	29	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8
	31	SHC	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1
23		TC	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3
	25	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0
	27	SHC	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
	29	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6
	31	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0

## 2. Cooling Capacity of Indoor Unit

- S-09MM1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		2.8 kW AIR FLOW 8.5 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	21	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
16		TC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	21	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	23	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
17		TC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	27	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
18		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5
	21	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	23	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0
	27	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
19		TC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.5
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
	23	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8
	27	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2
20		TC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6
	23	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3
	25	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0
	29	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.3
21		TC	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
	25	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	27	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8
	29	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2
22		TC	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8
	25	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.3
	27	SHC	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
	29	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0
	31	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.3	2.3
23		TC	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9
	25	SHC	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	29	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8
	31	SHC	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2

## 2. Cooling Capacity of Indoor Unit

- S-12MM1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		3.6 kW AIR FLOW 9.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	21	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	23	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
16		TC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	21	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	23	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	25	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	27	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
17		TC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	21	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	23	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	27	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
18		TC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2
	21	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	25	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	27	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8
19		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.3
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	23	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2
	27	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
20		TC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.4	3.3
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4
	29	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.8	2.8	2.8
21		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
	27	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2
	29	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6
22		TC	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.6
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6
	27	SHC	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0
	29	SHC	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.4
	31	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.7
23		TC	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8
	25	SHC	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5	1.5
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8
	29	SHC	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2
	31	SHC	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6

## 2. Cooling Capacity of Indoor Unit

- S-15MM1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		4.5 kW AIR FLOW 10.5 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	21	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	23	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	25	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	27	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
16		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	21	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	23	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	25	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	27	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
17		TC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	21	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	23	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	25	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	27	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
18		TC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.0
	21	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0
	23	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3
	25	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6
	27	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
19		TC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.2	4.1
	21	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8
	23	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.4
	27	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.8	2.7
20		TC	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2
	23	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.0	1.9
	25	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3
	27	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.6
	29	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9
21		TC	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.8
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.1
	27	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.4	2.4
	29	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.7
22		TC	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.1	5.1	5.0	4.9	4.8	4.7	4.6	4.5
	25	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.0	1.9
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.3
	29	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6
	31	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9
23		TC	5.7	5.7	5.6	5.6	5.6	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7
	25	SHC	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.8	1.8
	27	SHC	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.2	2.2	2.2	2.1
	29	SHC	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.4
	31	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.7

## 2. Cooling Capacity of Indoor Unit

- S-18MM1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		5.6 kW AIR FLOW 12.5 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	21	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	23	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	27	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
16		TC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	21	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	23	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	25	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	27	SHC	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
17		TC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	21	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	23	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	25	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
	27	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
18		TC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0
	21	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
	23	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1
	25	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5
	27	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0
19		TC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4	5.2	5.1
	21	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3
	23	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.8
	25	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3
	27	SHC	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.8	3.8	3.7
20		TC	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2
	23	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5
	25	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.1	3.1	3.0	3.0
	27	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5
	29	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0	3.9
21		TC	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4
	23	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.3	2.2
	25	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.7
	27	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.2
	29	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7
22		TC	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.7	5.6
	25	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.5	2.5
	27	SHC	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0	3.0
	29	SHC	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.5	3.5	3.4
	31	SHC	4.4	4.4	4.4	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0	3.9
23		TC	7.1	7.1	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.8
	25	SHC	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.3
	27	SHC	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.7
	29	SHC	3.7	3.7	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.4	3.3	3.3	3.2
	31	SHC	4.2	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.7	3.7

## 2. Cooling Capacity of Indoor Unit

### 2-6. High Static Pressure Ducted Type (E1 Type)

- S-36ME1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		10.6 kW AIR FLOW 30.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	21	SHC	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
	23	SHC	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
	25	SHC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	27	SHC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
16		TC	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
	21	SHC	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
	23	SHC	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
	25	SHC	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
	27	SHC	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
17		TC	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	21	SHC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
	23	SHC	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
	25	SHC	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
	27	SHC	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
18		TC	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.5
	21	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1
	23	SHC	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.2	6.1
	25	SHC	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.3	7.2
	27	SHC	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.3	8.2
19		TC	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.4	10.1	9.9	9.6
	21	SHC	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.5	4.4
	23	SHC	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.5	5.5
	25	SHC	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.8	6.6	6.5
	27	SHC	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.8	7.7	7.6
20		TC	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.2	11.0	10.8	10.6	10.4	10.1	9.8
	23	SHC	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.2	5.2	5.1	5.0	4.9
	25	SHC	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.2	6.1	6.0	5.9
	27	SHC	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.5	7.5	7.4	7.3	7.2	7.1	7.0
	29	SHC	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.5	8.4	8.4	8.3	8.1	8.1
21		TC	12.0	12.0	12.0	12.0	12.0	12.0	11.9	11.7	11.5	11.3	11.1	10.9	10.7	10.4	10.1
	23	SHC	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.6	4.5	4.4	4.3
	25	SHC	6.1	6.1	6.1	6.1	6.1	6.1	6.0	6.0	5.9	5.8	5.7	5.7	5.5	5.5	5.4
	27	SHC	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	6.9	6.9	6.8	6.7	6.6	6.5	6.4
	29	SHC	8.2	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.0	8.0	7.8	7.8	7.7	7.6	7.5
22		TC	12.7	12.7	12.7	12.7	12.6	12.4	12.3	12.1	12.0	11.8	11.5	11.3	11.1	10.8	10.6
	25	SHC	5.6	5.6	5.6	5.6	5.5	5.5	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.8
	27	SHC	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.4	6.3	6.3	6.2	6.1	6.0	5.9
	29	SHC	7.8	7.8	7.8	7.7	7.7	7.7	7.6	7.5	7.5	7.4	7.3	7.2	7.2	7.1	7.0
	31	SHC	8.8	8.8	8.8	8.8	8.7	8.7	8.7	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0
23		TC	13.4	13.4	13.3	13.2	13.1	13.0	12.8	12.6	12.5	12.3	12.1	11.8	11.6	11.3	11.1
	25	SHC	5.2	5.1	5.1	5.1	5.1	5.0	4.9	4.9	4.8	4.8	4.7	4.6	4.5	4.5	4.3
	27	SHC	6.2	6.2	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.8	5.7	5.7	5.6	5.5	5.4
	29	SHC	7.3	7.3	7.2	7.2	7.2	7.1	7.1	7.0	6.9	6.9	6.8	6.8	6.6	6.6	6.4
	31	SHC	8.4	8.3	8.3	8.3	8.2	8.2	8.1	8.1	8.0	8.0	7.8	7.8	7.7	7.6	7.5



## 2. Cooling Capacity of Indoor Unit

- S-48ME1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		14.0 kW AIR FLOW 36.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
	21	SHC	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
	23	SHC	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
	25	SHC	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
	27	SHC	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
16		TC	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
	21	SHC	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
	23	SHC	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	25	SHC	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
	27	SHC	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
17		TC	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
	21	SHC	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	23	SHC	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
	25	SHC	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
	27	SHC	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
18		TC	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	12.9	12.5
	21	SHC	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.8	6.7
	23	SHC	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.0
	25	SHC	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.5	9.4
	27	SHC	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	10.9	10.7
19		TC	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.7	13.4	13.1	12.7
	21	SHC	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.2	6.1	5.9	5.8
	23	SHC	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.6	7.5	7.3	7.2
	25	SHC	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.0	9.0	8.8	8.7	8.5
	27	SHC	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.4	10.3	10.2	10.1	9.9
20		TC	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.8	14.6	14.3	14.0	13.7	13.3	13.0
	23	SHC	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.0	6.9	6.8	6.7	6.5	6.4
	25	SHC	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.3	8.2	8.0	7.9	7.8
	27	SHC	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.8	9.8	9.7	9.5	9.4	9.3	9.1
	29	SHC	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.2	11.1	11.1	10.9	10.8	10.6	10.5
21		TC	15.9	15.9	15.9	15.9	15.9	15.9	15.7	15.5	15.2	15.0	14.7	14.4	14.1	13.7	13.4
	23	SHC	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.4	6.4	6.3	6.1	6.1	5.9	5.8	5.7
	25	SHC	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.8	7.7	7.7	7.5	7.5	7.3	7.2	7.1
	27	SHC	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.5	8.4
	29	SHC	10.7	10.7	10.7	10.7	10.7	10.7	10.6	10.6	10.5	10.4	10.3	10.2	10.1	9.9	9.8
22		TC	16.8	16.8	16.8	16.7	16.6	16.4	16.2	16.0	15.8	15.5	15.3	15.0	14.6	14.3	13.9
	25	SHC	7.4	7.4	7.4	7.4	7.3	7.2	7.2	7.1	7.0	6.9	6.9	6.7	6.6	6.5	6.4
	27	SHC	8.8	8.8	8.8	8.8	8.7	8.6	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.7
	29	SHC	10.1	10.1	10.1	10.1	10.1	10.0	9.9	9.8	9.8	9.7	9.6	9.5	9.3	9.3	9.1
	31	SHC	11.5	11.5	11.5	11.5	11.4	11.4	11.3	11.2	11.1	11.1	10.9	10.9	10.7	10.6	10.5
23		TC	17.7	17.7	17.6	17.4	17.3	17.1	16.9	16.7	16.5	16.2	15.9	15.6	15.3	15.0	14.6
	25	SHC	6.8	6.8	6.7	6.7	6.7	6.6	6.5	6.4	6.4	6.3	6.1	6.1	5.9	5.9	5.7
	27	SHC	8.2	8.2	8.1	8.1	8.0	8.0	7.9	7.8	7.7	7.7	7.5	7.5	7.3	7.2	7.1
	29	SHC	9.5	9.5	9.5	9.5	9.4	9.3	9.3	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5
	31	SHC	10.9	10.9	10.9	10.9	10.8	10.7	10.6	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.8

## 2. Cooling Capacity of Indoor Unit

### 2-7. Floor Standing Type (P1 Type)

- S-07MP1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		2.2 kW      AIR FLOW    7.0 m³/min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	23	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
16		TC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	21	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	23	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
29	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
17		TC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	21	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	25	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
29	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
18		TC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
	21	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2
	25	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
29	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8
31	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0
19		TC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0
	21	SHC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
	23	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
	25	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
29	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7
31	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
20		TC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0
	23	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
	25	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
	27	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4
	29	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
31	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8
21		TC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1
	23	SHC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9
	25	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
	27	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
	29	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
31	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
22		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.2	2.2
	25	SHC	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0
	27	SHC	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
	29	SHC	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
	31	SHC	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
23		TC	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3
	25	SHC	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9
	27	SHC	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
	29	SHC	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
	31	SHC	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5

## 2. Cooling Capacity of Indoor Unit

- S-09MP1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		2.8 kW AIR FLOW 7.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
16		TC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	21	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	23	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
17		TC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	21	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
18		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5
	21	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3
	23	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
19		TC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.5
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
	23	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
	25	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
	27	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9
20		TC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6
	23	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
	25	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5
	27	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8
	29	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
21		TC	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6
	29	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9
22		TC	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8
	25	SHC	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	29	SHC	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
	31	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
23		TC	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9
	25	SHC	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4
	29	SHC	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6
	31	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9

## 2. Cooling Capacity of Indoor Unit

- S-12MP1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		3.6 kW AIR FLOW 9.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	21	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	23	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
16		TC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	21	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	23	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	27	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
17		TC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	21	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	23	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	25	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	27	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
18		TC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2
	21	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	27	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
19		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.3
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	23	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8	1.8
	25	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
20		TC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.4	3.3
	23	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0
	27	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3
	29	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6
21		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.4
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8
	27	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1
	29	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4
22		TC	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.6
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6	1.6
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0
	29	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3
	31	SHC	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6
23		TC	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8
	25	SHC	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
	27	SHC	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8
	29	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1
	31	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5

## 2. Cooling Capacity of Indoor Unit

- S-15MP1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		4.5 kW AIR FLOW 12.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	21	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	23	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	25	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	27	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
16		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	21	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	23	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	25	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	27	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
17		TC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	21	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	23	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	25	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	27	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
18		TC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.0
	21	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1
	23	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	25	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0
	27	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4
19		TC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.2	4.1
	21	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
	23	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.3
	25	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7
	27	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2
20		TC	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2
	23	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.0
	25	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.5	2.5
	27	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9
	29	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.4
21		TC	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.8
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.3
	27	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
	29	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1
22		TC	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.1	5.1	5.0	4.9	4.8	4.7	4.6	4.5
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.0
	27	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5
	29	SHC	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9
	31	SHC	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.4
23		TC	5.7	5.7	5.6	5.6	5.6	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7
	25	SHC	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.8
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.3
	29	SHC	3.1	3.1	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
	31	SHC	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1

## 2. Cooling Capacity of Indoor Unit

- S-18MP1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		5.6 kW AIR FLOW 15.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	21	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	23	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	27	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
16		TC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	21	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	23	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	25	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	27	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
17		TC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	21	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	23	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	27	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
18		TC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0
	21	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	23	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2
	25	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8
	27	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4
19		TC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4	5.2	5.1
	21	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3
	23	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9
	25	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.5	3.5
	27	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.0
20		TC	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2
	23	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.6
	25	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.1
	27	SHC	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7
	29	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.4	4.4	4.3	4.3
21		TC	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4
	23	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.3
	25	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.8
	27	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4
	29	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0
22		TC	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.7	5.6
	25	SHC	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.7	2.6	2.6
	27	SHC	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1
	29	SHC	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7	3.7
	31	SHC	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.5	4.4	4.4	4.4	4.3	4.2
23		TC	7.1	7.1	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.8
	25	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3
	27	SHC	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9
	29	SHC	3.9	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4
	31	SHC	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0

## 2. Cooling Capacity of Indoor Unit

- S-24MP1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		7.1 kW AIR FLOW 17.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
	21	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	23	SHC	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	25	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
	27	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
16		TC	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	21	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	23	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	25	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
	27	SHC	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
17		TC	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	21	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	23	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	25	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	27	SHC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
18		TC	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.4
	21	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
	23	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0
	25	SHC	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6
	27	SHC	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3
19		TC	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	6.8	6.6	6.4
	21	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	2.9
	23	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6
	25	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.3	4.2
	27	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.0	5.0	4.9
20		TC	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.5	7.4	7.2	7.1	6.9	6.8	6.6
	23	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.3	3.3	3.2
	25	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.0	3.9	3.9
	27	SHC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.7	4.7	4.6	4.6	4.5
	29	SHC	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.3	5.2	5.2
21		TC	8.1	8.1	8.1	8.1	8.1	8.1	8.0	7.8	7.7	7.6	7.5	7.3	7.1	7.0	6.8
	23	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.0	3.0	2.9	2.9
	25	SHC	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.5
	27	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2
	29	SHC	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8
22		TC	8.5	8.5	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.4	7.3	7.1
	25	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.2	3.2
	27	SHC	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.8
	29	SHC	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.5	4.5
	31	SHC	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.3	5.2	5.1
23		TC	9.0	9.0	8.9	8.8	8.8	8.7	8.6	8.5	8.4	8.2	8.1	7.9	7.8	7.6	7.4
	25	SHC	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.0	3.0	2.9	2.9
	27	SHC	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.5
	29	SHC	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.2	4.2
	31	SHC	5.4	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8

## 2. Cooling Capacity of Indoor Unit

### 2-8. Concealed Floor Standing Type (R1 Type)

- S-07MR1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		2.2 kW      AIR FLOW    7.0 m³/min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	23	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
16		TC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	21	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	23	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
29	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
17		TC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	21	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	25	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
29	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
18		TC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
	21	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2
	25	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6
29	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8
31	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0
19		TC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0
	21	SHC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9
	23	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1
	25	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
29	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7
31	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
20		TC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.1	2.0
	23	SHC	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0
	25	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
	27	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4
	29	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6
31	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8
21		TC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.2	2.2	2.1
	23	SHC	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9
	25	SHC	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
	27	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
	29	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
31	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
22		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3	2.2	2.2
	25	SHC	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0
	27	SHC	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2
	29	SHC	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
	31	SHC	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
23		TC	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.5	2.5	2.5	2.4	2.4	2.3
	25	SHC	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.9
	27	SHC	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1
	29	SHC	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
	31	SHC	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5



## 2. Cooling Capacity of Indoor Unit

- S-09MR1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		2.8 kW AIR FLOW 7.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	23	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	25	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
16		TC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	21	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	23	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
17		TC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	21	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
18		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5
	21	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3
	23	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8
	27	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
19		TC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.5
	21	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
	23	SHC	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4
	25	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7
	27	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9
20		TC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.6
	23	SHC	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3
	25	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.5	1.5
	27	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8
	29	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
21		TC	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.7
	23	SHC	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1
	25	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4
	27	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6
	29	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9
22		TC	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.0	2.9	2.9	2.8
	25	SHC	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
	27	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	29	SHC	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8
	31	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0
23		TC	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1	3.1	3.0	2.9
	25	SHC	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.1
	27	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4
	29	SHC	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.6
	31	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	1.9	1.9

## 2. Cooling Capacity of Indoor Unit

- S-12MR1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		3.6 kW AIR FLOW 9.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	21	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
	23	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
16		TC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	21	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
	23	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	27	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
17		TC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	21	SHC	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
	23	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
	25	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	27	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
18		TC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.2
	21	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	27	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
19		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.3
	21	SHC	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5
	23	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.8	1.8
	25	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5
20		TC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.4	3.3
	23	SHC	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6
	25	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0
	27	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3
	29	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6
21		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	3.9	3.9	3.8	3.7	3.6	3.5	3.4
	23	SHC	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.4
	25	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8
	27	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1
	29	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4
22		TC	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	3.9	3.8	3.8	3.7	3.6
	25	SHC	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.6	1.6
	27	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	2.0	2.0	2.0
	29	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.3	2.3
	31	SHC	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6
23		TC	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2	4.1	4.0	3.9	3.9	3.8
	25	SHC	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
	27	SHC	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8
	29	SHC	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1
	31	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.5

## 2. Cooling Capacity of Indoor Unit

- S-15MR1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		4.5 kW AIR FLOW 12.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	21	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	23	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
	25	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	27	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
16		TC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	21	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	23	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
	25	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	27	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
17		TC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	21	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	23	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
	25	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	27	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
18		TC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.0
	21	SHC	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.1
	23	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
	25	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0
	27	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.4
19		TC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.3	4.2	4.1
	21	SHC	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
	23	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.3
	25	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7
	27	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2
20		TC	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.6	4.5	4.4	4.3	4.2
	23	SHC	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.0
	25	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.5	2.5
	27	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9
	29	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.4	3.4	3.4
21		TC	5.1	5.1	5.1	5.1	5.1	5.1	5.0	5.0	4.9	4.8	4.7	4.6	4.5	4.4	4.3
	23	SHC	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.8
	25	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.3
	27	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
	29	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1
22		TC	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.1	5.1	5.0	4.9	4.8	4.7	4.6	4.5
	25	SHC	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.3	2.2	2.2	2.2	2.1	2.1	2.0
	27	SHC	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5
	29	SHC	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	2.9	2.9
	31	SHC	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.4	3.4	3.4
23		TC	5.7	5.7	5.6	5.6	5.6	5.5	5.4	5.4	5.3	5.2	5.1	5.0	4.9	4.8	4.7
	25	SHC	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0	1.9	1.9	1.8
	27	SHC	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.4	2.4	2.3	2.3	2.3
	29	SHC	3.1	3.1	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7
	31	SHC	3.5	3.5	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1

## 2. Cooling Capacity of Indoor Unit

- S-18MR1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		5.6 kW AIR FLOW 15.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	21	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
	23	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	27	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
16		TC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	21	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	23	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	25	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	27	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
17		TC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
	21	SHC	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
	23	SHC	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
	25	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	27	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
18		TC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.0
	21	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	23	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2
	25	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8
	27	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4
19		TC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.5	5.4	5.2	5.1
	21	SHC	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.3
	23	SHC	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9
	25	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.5	3.5
	27	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.0
20		TC	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2
	23	SHC	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.6	2.6
	25	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.1
	27	SHC	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7
	29	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.4	4.4	4.3	4.3
21		TC	6.4	6.4	6.4	6.4	6.4	6.4	6.3	6.2	6.1	6.0	5.9	5.8	5.6	5.5	5.4
	23	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.3	2.3
	25	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.8
	27	SHC	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4
	29	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0
22		TC	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.9	5.7	5.6
	25	SHC	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.7	2.6	2.6
	27	SHC	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1
	29	SHC	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7	3.7
	31	SHC	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.5	4.4	4.4	4.4	4.3	4.2
23		TC	7.1	7.1	7.0	7.0	6.9	6.8	6.8	6.7	6.6	6.5	6.4	6.3	6.1	6.0	5.8
	25	SHC	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.5	2.5	2.4	2.4	2.4	2.3
	27	SHC	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9
	29	SHC	3.9	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4
	31	SHC	4.4	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.2	4.1	4.1	4.0	4.0

## 2. Cooling Capacity of Indoor Unit

- S-24MR1U6

Power supply : 208 – 230V 1phase-60Hz

TC : Total Cooling Capacity (kW) , SHC : Sensible Heat Capacity (kW)

RATING CAPACITY:		7.1 kW AIR FLOW 17.0 m <sup>3</sup> /min															
EVAPORATOR AIR INTAKE TEMP		CONDENSER AMBIENT TEMP. (°C)															
W.B.	D.B.		15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
15		TC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
	21	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
	23	SHC	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	25	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
	27	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
16		TC	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
	21	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
	23	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	25	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
	27	SHC	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
17		TC	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	21	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
	23	SHC	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
	25	SHC	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	27	SHC	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
18		TC	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.5	6.4
	21	SHC	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
	23	SHC	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0
	25	SHC	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6
	27	SHC	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3
19		TC	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.0	6.8	6.6	6.4
	21	SHC	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0	2.9
	23	SHC	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6
	25	SHC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.4	4.4	4.3	4.2
	27	SHC	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.1	5.1	5.0	5.0	4.9
20		TC	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.5	7.4	7.2	7.1	6.9	6.8	6.6
	23	SHC	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.4	3.4	3.3	3.3	3.2
	25	SHC	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.1	4.1	4.0	3.9	3.9
	27	SHC	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.7	4.7	4.6	4.6	4.5
	29	SHC	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.3	5.2	5.2
21		TC	8.1	8.1	8.1	8.1	8.1	8.1	8.0	7.8	7.7	7.6	7.5	7.3	7.1	7.0	6.8
	23	SHC	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.1	3.0	3.0	2.9	2.9
	25	SHC	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.5
	27	SHC	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.3	4.2	4.2
	29	SHC	5.3	5.3	5.3	5.3	5.3	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.9	4.8
22		TC	8.5	8.5	8.5	8.5	8.4	8.3	8.2	8.1	8.0	7.9	7.7	7.6	7.4	7.3	7.1
	25	SHC	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.2	3.2
	27	SHC	4.4	4.4	4.4	4.4	4.3	4.3	4.3	4.2	4.2	4.1	4.1	4.0	4.0	3.9	3.8
	29	SHC	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.8	4.7	4.7	4.6	4.5	4.5
	31	SHC	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.3	5.2	5.1
23		TC	9.0	9.0	8.9	8.8	8.8	8.7	8.6	8.5	8.4	8.2	8.1	7.9	7.8	7.6	7.4
	25	SHC	3.4	3.4	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.0	3.0	2.9	2.9
	27	SHC	4.1	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.9	3.8	3.8	3.7	3.7	3.6	3.5
	29	SHC	4.7	4.7	4.7	4.7	4.6	4.6	4.6	4.5	4.5	4.5	4.4	4.4	4.3	4.2	4.2
	31	SHC	5.4	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.2	5.1	5.1	5.0	5.0	4.9	4.8

